



The

# CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

3376  
OCLII

OCTOBER 21, 1944

Annual Subscription (with  
Diary) 25/- Single copies 9d.

SCIENCE & PHARMACY SERIES NO 32



*Apis Mellifica*



*Digitalis  
purpurea*

1709



1778



*Agaricus campestris*



*Felis domestica*

**Linnæus.**  
(Carl von Linné)

SWEDISH BOTANIST & PHYSICIAN

Perhaps the most famous name in Botany despite some grotesque errors possibly conditioned by his belief in the fixity of species. His classification of plants, animals and minerals has been the basis of subsequent research, but one reflects, in the light of Modern Man's irrational record, whether Linnæus would still describe him as "Homo Sapiens."

**BURGOYNE BURBIDGES**

Established 1741 & COMPANY LIMITED, LONDON, E.C.

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# A New Parke Davis Product

# 'LERTIGON'

(HISTAMINE AZOPROTEIN)

Extensive investigation during recent years supports the hypothesis that histamine released from tissue cells by an antigen-antibody reaction plays a fundamental role in anaphylaxis and allergy. Basing their work on the theory that an artificial immunity to histamine might be obtained by using a histamine-protein complex as an antigen, workers in the Parke-Davis Laboratories developed an antigenic complex by combining histamine with despeciated horse - serum globulin. This product, known as 'Lertigon,' is now available for supply to the medical profession in 5 c.c. vials.

•

Parke, Davis & Co., 50 Beak Street, London, W.1  
*Inc. U.S.A., Liability Ltd.*

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Milton Bulletin No. 24

P.A.T.A.

**"FIRST COME — FIRST SERVED"**

Hitherto we have been able to fill all orders within a reasonable time of receipt, but owing to transport difficulties there is now some delay in deliveries to us of raw materials and dispatches to customers.

Chemists report difficulties in getting supplies from wholesalers, particularly of Milton Denture Powder. Wholesalers have co-operated with us in carrying additional stocks where these have been available, but the same difficulties arise now in connection with our dispatches to them and their dispatches to you.

You may, therefore, have to wait for deliveries from wholesalers, as well as from us, though every effort is being made to reduce the period of delay.

Meanwhile, direct orders will be executed by us as quickly as possible and in rotation as received. **But please order early to avoid running out of stock.** Except in the London area it is advisable to allow a month for the dispatch and delivery of orders. **Look at your stocks now.** It's a matter of "First Come — First Served."

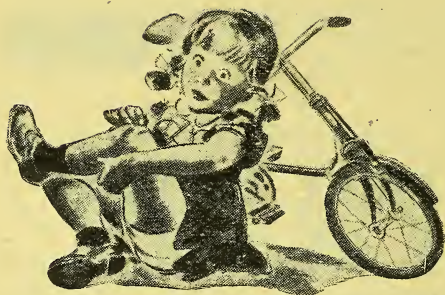
**MILTON PRODUCTS**

Milton Antiseptic .. .. .	8d. and 1/11½d.
Milton Denture Powder .. .. .	1/3d. and 2/2d.
Milton Ointment .. .. .	7d.
Milton Dental Cream .. .. .	1/2d.
(The above prices include Purchase Tax)	
Milton Nasal Sprays .. .. .	3/6d.
(Free of Tax)	

All Milton Products may be included in the £2 and £5 Bonus Parcels.

Milton Antiseptic Ltd., Chapel Lane, Sands, High Wycombe, Bucks





for troubles  
that are skin deep



**B·F·I**

BISMUTH · FORMIC ·  
IODIDE COMPOUND

Abrasions, minor cuts and skin irritations heal most satisfactorily when treated promptly with a soothing antiseptic dry dressing such as 'B.F.I' powder. This finely milled preparation has excellent spreading and clinging properties as well as the proper degree of astringency necessary to reduce excessive secretion. It is easily applied.

'B.F.I' powder brings welcome relief in the local treatment of chafing and many other types of skin irritation including "athlete's foot", and may be relied upon to absorb excessive discharges without caking or forming hard crusts. Moreover, 'B.F.I' powder is especially noted for its effectiveness in relieving the aching, burning sensation of tired feet.

*Sharp & Dohme Ltd*

HODDESDON

HERTS





## CROOKES' COLLOSOL IODINE

Collosol Iodine is a loose colloidal compound capable of administration by either the oral, subcutaneous or intravenous route without fear of a sudden liberation of free iodine.

It is of pronounced value in the treatment of rheumatism, enlarged glands, goitre, actinomycosis, the pneumonias, venereal disease, etc.; and has wide application in gynæcology.





*Personal Daintiness*

Personal daintiness and complete self-confidence as well as the solution of problems which have previously caused general nervous tension amongst women, follow the choice of Rendells Products for Feminine Hygiene. This important subject is objectively discussed in Nurse Drew's booklet 'Hygiene for Women'—from any chemist. If you prefer write direct to.  
**NURSE DREW, VICTORIA HOUSE,  
 SOUTHAMPTON ROW, LONDON, W.C.1**

**RENDELLS**  
 PRODUCTS

FOR FEMININE HYGIENE

APPROVED BY DOCTORS  
 SOLD BY CHEMISTS




## Be guided by NURSE DREW

Every woman knows the familiar face of Nurse Drew. Women's magazines, national newspapers and periodicals of every kind carry Rendells announcements regularly. Display Rendells show material prominently and share in the wide-spread demand for Rendells products.

# Rendells

**PRODUCTS**

P.A.T.A.

FOR FEMININE HYGIENE

W. J. RENDELL LTD. HARDWICK HOUSE · 161-5 ROSEBERY AVENUE · LONDON E.C.1

# 6 precious VITAMINS in ONE capsule!



VYKMIN Multiple-Vitamin Capsules are sold in two sizes retailing at 6/- (30 capsules) and 9/6 (60 capsules). Full particulars from:—

Home Health Services,  
132, Baker Street, London, W.1.

## INDEX TO ADVERTISERS

*The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper should not be taken as an indication that they are necessarily available for export.*

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(continued overleaf)

# The "MODERN" TEAT

ANTI-COLIC

The "Modern" Teat, which has become so popular with nursing Mothers, is to be taken off the market by the Ministry of Supply, on the grounds that the "Modern" Teat uses more crude rubber than other Teats, irrespective of their well known longer life.

The advertisement will re-appear as a reminder until we can supply you.



- Ball Top, one-hole perforation ensuring constant and steady flow.
- Buffer shoulder protects baby's mouth.
- Tab enables teat to be slipped over bottle in an instant with minimum hand n.
- General Resiliency MAKES IT NECESSARY FOR BABY TO WORK JAWS THEREBY RESEMBLING THE NATURAL NIPPLE.
- Collar ensures firm grip on bottle which CANNOT BE PULLED OFF BY BABY.
- Will stand repeated STERILISATION.

## NEAREST TO NATURAL FEEDING

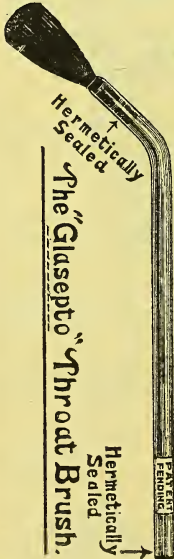
The "MODERN" Teat has been specifically designed to meet the needs both of MOTHER and BABY, and—what is of vital importance in these days—it LASTS LONGER. It is hygienic, odourless and tasteless.

THE CANNON RUBBER MANUFACTURERS LTD., LONDON, N.17




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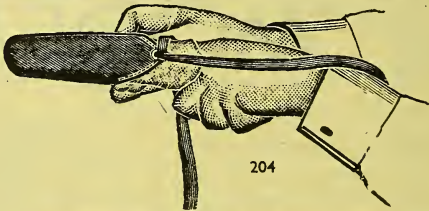
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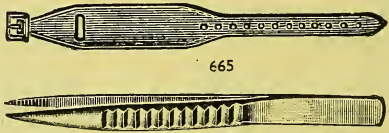
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**Export Orders Receive Special Attention**

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**Made and Stocked by—**

**M. J. FECHER, LTD.**

**121 High Street, SLOUGH, BUCKS.**

Phone: SLOUGH 21864

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**COMPLETE LIST SENT FOR 1d.**

# In constant demand!



What is your stock position? Is it time you ordered again? Supplies are not unlimited. By ordering well in advance you will lessen the risk of being out of stock through unavoidable delivery delays, and, at the same time, assist us to arrange an equitable distribution of available supplies. VENO, THERMOGENE, PHENSIC are firmly established, quick-selling, profitable lines. Order well ahead!

**VENO DRUG CO. LTD.**  
**CHESTER ROAD · MANCHESTER, 16**



An organisation  
with long experience  
and modern equipment,  
aided by a highly  
technical staff under  
scientific control, and  
specializing in the  
manufacture of  
★ Pills and Tablets



PILLS

TABLETS



SOLVELLÆ

PHARMACEUTICALS

**ARTHUR H. COX & Co. LTD.**  
**BRIGHTON**

MANUFACTURING CHEMISTS SINCE 1839



# BIOLOGICAL PREPARATIONS

**THE QUALITY OF ALL MBL PRODUCTS IS ABSOLUTELY IDENTICAL WITH THAT OF PRE-WAR PREPARATION**

because of our heavy purchases immediately before war broke out. Our stocks are still considerable and the high MBL standard will be fully maintained.

**THERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS**

				Retail Price	CHEMISTS' PRICE					
					Per unit			Per dozen		
				(inclusive of Tax)	Net	+	Purchase Tax	Net	+	Purchase Tax
<b>ANTIPEOL</b>										
OINTMENT	4 oz. tube .. ..			6/8½	4/2½	+	8½	50/5	+	8/5
	40 gr. „ .. ..			3/4½	2/1½	+	4½	25/3	+	4/3
	20 gr. „ .. ..			1/10½	1/2	+	2½	14/-	+	2/4
LIQUID	40 c.c. bottle .. ..			3/4½	2/1½	+	4½	25/3	+	4/3
<b>OPHTHALMO-ANTIPEOL</b>										
20 gr. Nozzled Tube .. ..				3/4½	2/1½	+	4½	25/3	+	4/3
<b>RHINO-ANTIPEOL</b>										
20 gr. Nozzled Tube .. ..				2/9½	1/9	+	3½	21/-	+	3/6
<b>ENTEROFAGOS</b> (ORAL AND INJECTABLE)										
Box of 50 ampoules .. ..				19/-	13/3½		None	159/7		None
„ 10 „ .. ..				4/3	3/-		None	35/8		None
„ 5 „ .. ..				2/6	1/9		None	21/-		None
<b>DETENSYL</b>										
Tin of 500 tablets .. ..				39/-	24/-	+	4/-	288/-	+	48/-
Tube of 50 „ .. ..				4/5½	2/8½	+	5½	32/4	+	5/3
<b>ST. JAMES' BALM</b>										
Tin of approx. 2½ oz. .. ..				2/10	1/11	+	4	22/6	+	3/9
„ „ 1 oz. .. ..				1/5	11	+	2	11/3	+	1/11
Tube .. ..				1/2	9	+	2	9/-	+	1/6

Carriage paid on all orders of 1 dozen or £1 and over.

Terms: NETT, monthly account.

**MEDICO-BIOLOGICAL LABORATORIES LTD., LONDON, S.E.25**

# Aspro Limited

The NINTH ANNUAL GENERAL MEETING of Aspro, Limited, was held in London on October 17.

Mr. H. F. MIDDLETON (the chairman) presided.

The following is the CHAIRMAN'S statement circulated with the report and accounts:—

In presenting the accounts for the year ended June 30, 1944, it is a matter of great satisfaction to your board and, I am sure, to all stock-holders that notwithstanding the great difficulties of the past twelve months we are again able to recommend the declaration of a final dividend on the Ordinary stock of 15 per cent., less tax, thus maintaining the total distribution for the year at 25 per cent., less tax. You will observe that the profit on trading and other income, after providing for Excess Profits Tax, is £292,912.

After deducting depreciation, directors' fees, and pension fund contribution, amounting in the aggregate to £17,072, there remains a sum of £275,840, which, with the sum of £20,312 brought forward from last year, makes a total available balance of £296,152. £165,000 has been provided for income-tax, which covers the estimated liability on the profits of the company up to April 5, 1945. Your directors also recommend a transfer of £30,000 to general reserve.

## HOME AND EXPORT TRADE

The demand for our product in the home market continues as strong as ever. Although at times we have experienced difficulty in meeting the requirements of the public to the full in these strenuous days, "Aspro" maintains its reputation and favourable position, and the indications augur well for the future.

Last year I stressed the difficulties governing our export trade. During the past twelve months there has been little relaxation of the restrictions, and we have not made such advancement as we anticipated. All the same, we have missed no opportunity of supplying our customers' requirements when it has been possible, and our organisation at home and abroad has been maintained efficiently in readiness to take full advantage of all facilities immediately they are made available, with a view to recovery and further development of the markets to which we gave so much attention in the past.

## NEW MANAGING DIRECTORS

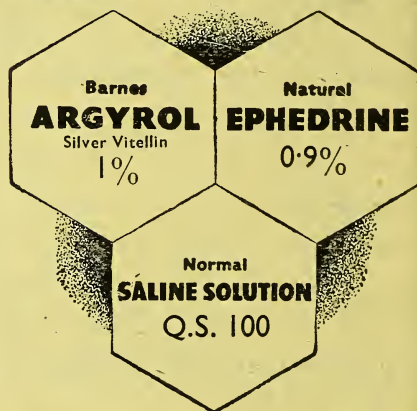
Since our last meeting Mr. F. S. Allwright and Mr. E. H. Neale, who have been associated with our business since its inception, and were original directors of this company, have been appointed managing directors. In view of the high reputation which they have established, both with their colleagues on the board and with the trade and public generally, it requires no words from me to commend these appointments to you. I will only say that I trust that their valued services in this important and responsible capacity may be available to the company for many years to come.

Many of the staff are still serving in H.M. Forces, and we look forward to their early return. To those who have remained to carry on, I am sure you would wish me to express appreciation for the very fine work they have done during the year.

The report and accounts were adopted, the retiring director re-elected, and the auditors reappointed.

A STABLE SOLUTION OF THESE  
THREE COMPONENTS HAS BEEN  
ACHIEVED IN

# ARGOTONE



Doctors and Pharmacists have long appreciated the value of Silver Vitellin as a nasal disinfectant and Ephedrine as a powerful and lasting congestion-relieving agent, but the combination into a stable solution in normal saline has been beyond the facilities of their dispensaries.

Now that a *stable solution* is available in Argotone, this antiseptic and decongestive compound provides the ideal treatment for COLDS, RHINITIS, ASTHMA, SINUSITIS, HAY FEVER, etc.

# ARGOTONE

REGD.

## NASAL DROPS

Retail 3/7 inc. tax. Trade 28/6 doz.  
plus tax, from your wholesaler.

RONA LABORATORIES LTD.,  
159, FINCHLEY ROAD, LONDON, N.W.3

# Sparkling HARROGATE HEALTH SALTS



CONSTIPATION  
DYSPEPSIA  
HEADACHE  
INDIGESTION  
ACIDITY

Product of  
HARROGATE  
TABLET CO. LTD.  
HARROGATE, YORKS. ENGL.

6/- per doz.  
(Purchase tax 1/-)  
Retail selling price  
9d. (incl. tax).

17/- per doz.  
(Purchase tax 2/10)  
Retail selling price  
2/- (incl. tax).

Sole Selling Agents  
**KORAY LTD., BLACKPOOL**

Manufactured by

**HARROGATE TABLET CO. LTD., HARROGATE**



## Ask Bruce

Remember, the story of Robert the Bruce and the Spider? The moral of that was—Patience. We really are sorry to ask you, but if your KORAY order for Powders or Tablets is delayed, or sometimes incomplete, do please remember that in fairness to the public we must distribute the supplies available evenly over the country. Realising that we have to cope with increasing demand, shortages of labour, transport difficulties, will you please be patient with us? Thank you.

KORAY, LTD.,  
LONDON & BLACKPOOL.

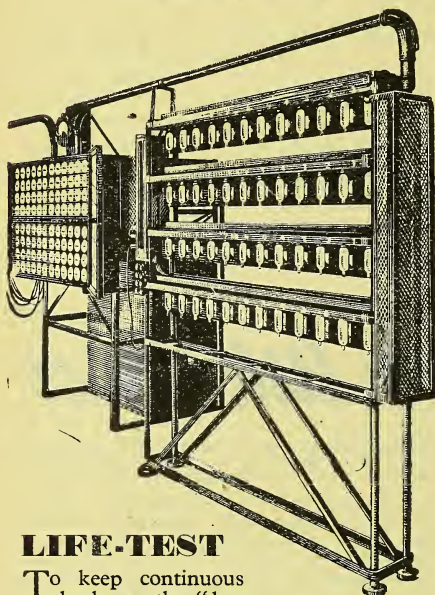
# KORAY

**KILLS  
PAIN  
QUICKER**

—hang on to this  
There are a few vacancies for wholesale distributors for KORAY. Wholesalers are invited to write to us so that these blanks may be filled.



## RESEARCH BEHIND LIGHTING



### LIFE-TEST

To keep continuous check on the "burn-out" life of Mazda Lamps, batches of lamps, taken at random from normal production, are tested to destruction in the BTH Lamp Testing Laboratory. In the equipment shown, the lamps under test are on the other side of the racks. Each lamp throws heat on to a highly ingenious thermal relay of BTH design. Each relay is connected to its own electric clock which automatically records the time of "burn-out."

This is just one of a multitude of scientific devices employed in the BTH Laboratories to maintain and improve the quality of Mazda Lamps.

BTH Research Laboratories have made an intensive study of both the physical and psychological aspects of lighting in wartime industry and their knowledge and experience are at the disposal of the principals of industrial undertakings through the Mazda Lighting Advisory Service.

# MAZDA

LAMPS

LIGHTING  
ADVISORY  
SERVICE

The British Thomson-Houston Co., Ltd.,  
Crown House, Aldwych, London, W.C.2.



M4007

# PIFCO

## SAFETY TORCHES

PIFCO SAFETY TORCHES—with and without double action. Best for value and utility. Use, stock, recommend and sell Pifco Safety Torches. All genuine Pifco Torches are branded "PIFCO."

*Refuse all Substitutes*

PIFCO LTD. PIFCO HOUSE, LONDON, E.C.2.

## DELLIPSIDS

**P.A.T.A.**

Elliptical shaped. Special Coating. DELLIPSIDS are specially indicated in cases where the ordinary tablet is not easily swallowed



### D.2. TONIC

Calc. Gluconate	..	gr.3
Ferrous Sulph. exsicc.	..	gr. 2
Concentrated Yeast (Standardised)	..	gr. 2
Vitamin D	..	1 U.250
Strychnine hyd.	..	gr. 1/280
Manganese and Copper	..	traces

Bottles of 30.—Wholesale: 14/- doz. Retail: per bottle, 1/11½ incl. 2½d. P.T.

Other DELLIPSIDS still available at present include: D.1. IRON AND YEAST. D.3. IRON. D.7. COLD. D.9. APERIENT. D.15. BRONCHIAL. D.17. ASTHMA. D.20. STOMACHIC. D.21A. TRI-VITAMIN.

All DELLIPSIDS are subject to 33½% discount off the retail price plus quantity discounts: 2½% on 1 doz. and 5% on 3 doz. bottles.

Further announcements concerning the range of DELLIPSIDS will appear at frequent intervals.

## DAMANCY & CO. LTD.

Tel.: BYRON 1440 HIGH STREET ESTD. 1890  
HARROW-ON-THE-HILL, MDX.





Established 1860

MANUFACTURERS OF  
**TABLETS**  
 AND  
**PILLS**  
 For the  
 Pharmaceutical  
 Trade

*Richard Daniel & Son*  
 Derby

'Phone: Derby 4266-7-8. 'Grams: Dania Derby

# MILLAMALT

*The* VITAMIN  
 MALT FOOD

With Guaranteed Complement of Vitamins A, B, C & D.  
 Sole Manufacturers: JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept. 19 Brookside Road, N.19.

## THE NATIONAL ASSOCIATION OF OPTICIANS

The next Examination will probably be held at Liverpool, on Tuesday and Wednesday, December 12th and 13th, 1944.  
 Last date of entry is Saturday, NOVEMBER 11th.  
 SYLLABUS and ENTRANCE FORMS, etc., from SECRETARY, N.A.O., 130 Princes Road, Liverpool, 3

Write for  
 our  
 special  
 terms.



## A STEADY INCOME

—is assured if you stock E.N.T. Powders and Capsules. Good stock, good formula and good profit bring us.

**P.A.T.A.**

E.N.T. MANFG. Co. Ltd.  
 431 Gloucester Rd. Bristol 7

•• MANOIDS ••  
 • NEVROIDS •  
 URICURE TABLETS  
 OCCASIONAL PILLS

THE ACTON PILL & TABLET Co. Ltd.  
 ASH VALE, SURREY,  
 and all Sundries Houses.

We manufacture . . . every variety of

**COMPRESSED  
 TABLETS**

We can  
 give deliveries  
 on time and  
 invite enquiries

for the Manufacturing  
 & Wholesale Drug Trade

The DALES ASPIRIN CO. (PROPRIETORS)  
 SILSDEN, Nr. KEIGHLEY, Yorks

# Urgent *empty cases* **PLEASE**

For some time past we have experienced considerable difficulty in despatching supplies of Andrews because of the acute shortage of cases.

## The position is NOW SERIOUS

and unless customers holding Andrews empty cases return them immediately a hold-up in deliveries will result. Your co-operation is requested. Postage or carriage will be credited.

### HOW TO SEND

Fold cases flat, flaps inside, tie up. Ready addressed gummed labels obtainable from our travellers, or direct from us. Up to 15 lbs., by post (*state cost on label*). Over 15 lbs.: by rail, c/fwd (*or state cost on label*).

# ANDREWS

SCOTT & TURNER, LTD.

15 Andrews House, Newcastle-upon-Tyne, 2



## MEDICINAL PRODUCTS OF ANIMAL ORIGIN

—o—

### Chemist Counter Lines

ARMOUR'S JUNKET PRODUCTS  
(TABLETS, POWDER, ESSENCE)  
GLANOID CALF'S FOOT JELLY  
GLANOID BEEF JUICE

A FULL RANGE OF GLANDULAR  
PRODUCTS PREPARED FROM FRESH  
WARM GLANDS SUPPLIED IN  
AMPOULES, TABLETS, LIQUIDS  
AND CAPSULES

available in Package Form  
or Bulk Containers

Also PEPSIN all strengths

PEPTONE

both Bacteriological  
and Commercial

ADRENALIN B.P. 1932  
(Pure)

PANCREATIN U-S-P

OX GALL      Inspissated  
                 Powdered  
                 Purified

BILE SALTS POWDER

Send your enquiries to:

THE  
**Armour Laboratories**

ARMOUR AND COMPANY LTD.

THORNTON HOUSE · FINSBURY SQUARE · LONDON · E.C.2

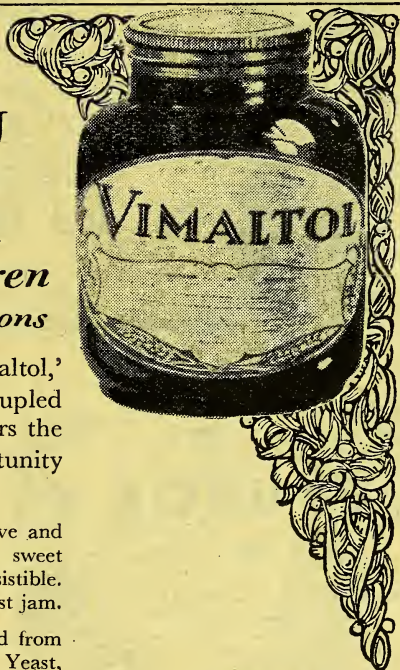
'Phone  
Kelvin 3661

Grams  
"Armosata-Phone." London



# VIMALTOL

*A Delicious*  
**Body-building  
 Restorative &  
 Vitamin Food**  
*for Infants, Children  
 & Adults - at all Seasons*



THE growing demand for 'Vimaltol,' due to its intrinsic merit, coupled with widespread advertising, offers the pharmacist an exceptional opportunity for profitable sales.

'Vimaltol' is a body-building, restorative and vitamin food possessing a delightfully sweet orange flavour which children find irresistible. In fact, 'Vimaltol' is as nice as the nicest jam.

The vitamins in 'Vimaltol' are supplied from specially prepared Malt Extract and Yeast, which is one of the richest natural sources of Vitamin B, together with Halibut Liver Oil fortified with additional vitamins. 'Vimaltol' thus possesses definite advantages for increasing strength and weight and fortifying the natural powers of resistance. It is a product of the highest quality, and its high concentration makes it very economical in use.

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Wholesale Prices:

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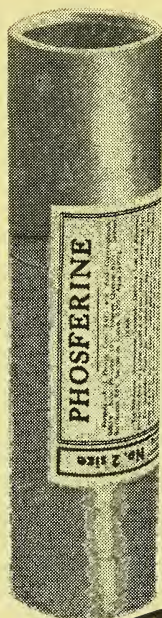
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**PRUNOL**  
*sells on sight*  
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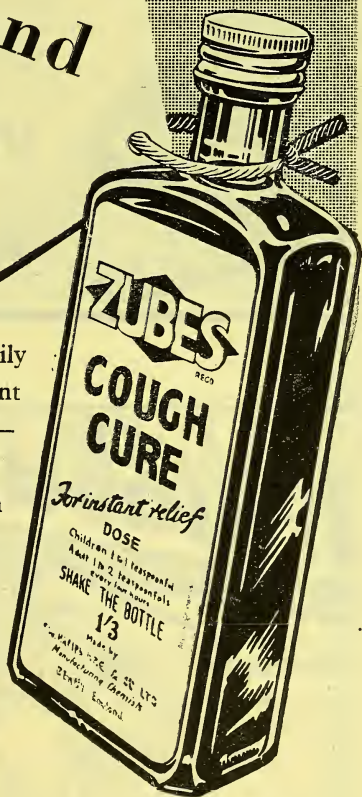
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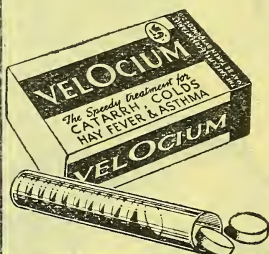
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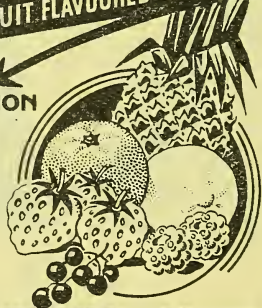
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SUITABLE FOR  
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WITHOUT A  
DEAD SEASON—

**Cuticura**  
OINTMENT

223

● Cuticura Ointment—and equally popular Cuticura Soap, Cuticura Talcum Powder and Cuticura Shaving Stick—are in demand from January to December. How are your stocks.





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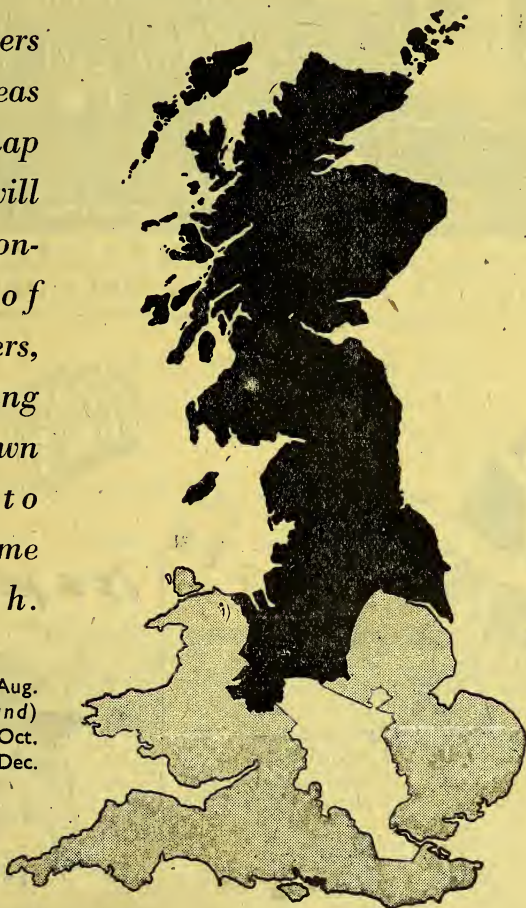


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signment of  
Creams, Powders,  
Soaps, etc., during  
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Everyman's  
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HAIR CREAM  
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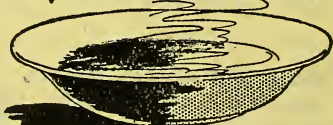
Just another of the  
good things that will  
come again with  
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must be sacrificed  
meantime.

Made by  
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**EVERYONE  
OVER 30**  
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1944

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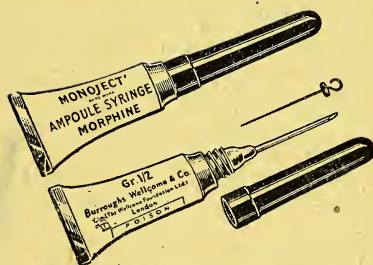




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**COD LIVER OIL**

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**OF ALL KINDS**

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NEWS OF THE WEEK

**P.A.T.A. Publicity.**—A two-column article on the Proprietary Articles Trade Association appeared in the September 30 issue of the "Recorder."

**Overseas Trade Statistics.**—The President of the Board of Trade (Mr. Dalton) said on October 10 that he proposed to publish shortly particulars of United Kingdom export trade in 1943 and preceding years.

**Small Shopkeepers Seek Double Quotas.**—At Nottingham, recently, a conference of the National Union of Small Shopkeepers passed a resolution urging the Government to double the present quota of small traders whose turnover does not exceed £150 weekly.

**Scientific Research Apparatus.**—The Minister of Labour (Mr. Bevin) stated on October 5 that no particular restrictions are imposed on the supply of labour to makers of scientific research apparatus. Where appropriate, the Government Department concerned is consulted.

**Sheffield Branch Officers.**—Officers of the Sheffield Branch of the Pharmaceutical

Society for 1944-45 are: *Chairman*, Mr. W. B. Dixon; *Vice-chairman*, Mrs. A. A. Jackson; *Treasurer*, Mr. C. P. Gilbert; *Secretary*, Mr. S. Durham, 29 Stephen Hill Hill Road, Sheffield, 10 (Telephone: 60637).

**Bradford N.P.U. Branch.**—The twenty-second annual meeting of the Bradford Branch of the National Pharmaceutical Union was held on October 12, when the following officers were elected: *Chairman*, Mr. B. W. Whittaker; *Vice-chairman*, Mr. E. S. Myers; *Secretary*, Mr. A. S. Davy; *Committee*, Messrs. Batley, Bolton, Sutcliffe and Brown.

**Cartel Inquiry Urged.**—At a conference in Manchester, recently, of members of the Chemical Workers' Union employed by Imperial Chemical Industries, Ltd., a resolution was passed urging that the effect of international cartels on post-war chemical production should be inquired into, with a view to ending any artificial restriction of the industry.

**Eire Benevolent Fund Dance.**—The annual dance in aid of the Benevolent Fund

of the Pharmaceutical Society of Ireland will be held at the Aberdeen Hall, Gresham Hotel, Dublin on December 12. Mr. Tim Gleeson succeeds Mr. Con Collis as chairman of the dance committee, with Miss C. O'Reilly as treasurer, and Miss K. O'Shea and Mr. David Murphy as secretaries.

**Salford Receives DDT.**—A small quantity of dichlordiphenyltrichlorethane has been placed at the disposal of the Salford Health Department for testing purposes. It will be applied to the disinfection of houses. Outside London, Salford is the only authority so far to have been issued with the powder, which is in restricted supply owing to the war needs of the armies in the Middle and Far East.

**Small Scottish Demand for Orange Juice.**—The Ministry of Food, perturbed at the low percentage of Scottish mothers purchasing concentrated orange juice for their children, is to undertake a publicity campaign. Whereas national take-up figures show an average for the whole country of 63.9 per cent., the percentage figures for various Scottish areas are as follows: Glasgow, 39.3; Greenock, 25.4; Port Glasgow, 23.5; North-east Scotland, 36.4.

**Retailers' Views on Social Security Plans.**—The Council of Retail Distributors has raised three objections to the Government's social insurance proposals. They protest against the requirement that shopkeepers should pay 4s. 2d. weekly instead of the 3s. 6d. paid by employees; they point out that shopkeepers get no unemployment benefit if forced out of business; and complain that sickness pay commences only after four weeks, whereas employees are in benefit after three days.

**Soap Substitutes.**—Captain Gammans asked the Minister of Food on October 10 if the Soap Substitute (Labelling and Prices Order), 1943 (S. R. & O., 1943, No. 638), was intended to restrict, by licensing the use of labels, those who were allowed to distribute soap substitutes to any particular category or class or group of distributors and manufacturers. Mr. Mabane: I am not quite clear as to my hon. Friend's meaning, although on the interpretation I think he intends the answer would be "No, sir."

**J.I.C. Decisions.**—Mr. Mander asked the Minister of Labour on October 12 whether he would consider the advisability of introducing legislation to make the decisions of joint industrial councils legally enforceable throughout the industries concerned. Mr.

Bevin replied that, under the Conditions of Employment and National Arbitration Order, 1940, employers were required to observe such recognised terms and conditions of employment in the trade or industry in the district as had been settled by representative joint machinery. He was considering what further provision should be made to meet the requirements of the post-war position, but was not yet able to make a statement on the subject.

**Somerset N.P.U. Branch.**—The Somerset Branch of the National Pharmaceutical Union met at Taunton on October 12, to discuss the agendas of the forthcoming conferences of Pharmaceutical Committees and of N.P.U. branch delegates. Mr. H. S. Hoyles presided, and a discussion of the various resolutions was ably led by Mr. Rex Maunder, Taunton. The proposed 48-hour week was agreed to, with overtime for all at time-and-a-quarter and double pay on Sundays and Bank Holidays. A resolution that if, under the new National Health Service, doctors are still permitted to supply medicines in remote areas, the death certificate should never be signed by the doctor or partnership of doctors providing the medicines was carried unanimously.

**Nuffield Gift for 'Students' Hostel.**—The Nuffield Foundation has made a donation of £225,000 towards an appeal for £725,000 for the completion and endowment of a hostel in London to accommodate between 250 and 300 students, mostly from the Dominions. It is also announced that the Nuffield trustees propose to set aside a large sum annually to assist persons likely to become teachers and research workers in medicine and science. Provision will be made for men and women from Britain to receive abroad the training and experience they need, as well as for bringing to Britain able men and women from other parts of the Commonwealth who desire opportunities for study. The trustees will aim at securing a common policy for medical and scientific research throughout the Commonwealth.

**Cocoa Control to Continue.**—A Government White Paper on cocoa control in West Africa proposes that the system of buying and marketing which has been followed during the war shall be continued in the future. Under this system all cocoa is bought at uniform prices, fixed seasonally, and sold in the world markets by organisations created for the purpose. It is suggested that, from the beginning of the 1945-46



season, organisations empowered by law to buy total local production of cocoa should be established in the Gold Coast and Nigeria, that prices paid to producers should be prescribed, and that the organisation should be responsible for the disposal of stocks. To provide the necessary funds it is proposed to make use of profits already realised on the cocoa account of the West African Produce Control Board. In the period 1939-43 the net excess of receipts over expenditure was £3,676,253.

**Epsom Salts in Lemon Beverage.**—The Birmingham City Analyst, in his annual report recently issued, makes reference to a substance described as "a lemon-flavoured beverage" which he found to be rather more than one-fifth Epsom salts. A complaint was made that an article described as a "lemon-flavoured beverage powder" had a bitter taste when dissolved in water in the proportion indicated on the label. Samples of the powder were bought from three separate retailers, and analysis showed that the article contained 76 to 77 per cent. citric acid, 5 to 7 per cent. sodium chloride, and 21 to 22 per cent. magnesium sulphate. This seemed a curious composition for a powder intended for use in making a beverage, for two teaspoonfuls contained the minimum dose of Epsom salts. The makers wrote that the salts were introduced with the object of improving the flavour. The packers were asked to state on the label that magnesium sulphate was present, with a statement of the quantity.

**Business Letters to Italy.**—The Board of Trade announces that, by arrangement with the Postmaster-General, a general licence has been issued authorising business correspondence with liberated Italy. The step is in accordance with a joint statement by the Prime Minister and President Roosevelt that the application of the Trading with the Enemy Acts should be modified to enable business contacts with Italy to be resumed for the benefit of the Italian people. Similar action has been taken in the United States. British and Italian firms may now exchange business information with a view to the future resumption of business relationships, but the resumption of private trade is not yet permissible. Italian-owned property in the United Kingdom continues to be under the control of the Trading with the Enemy Department and the Custodian of Enemy Property. Arrangements have been made for the release of British-owned property in Italy to its original owners or their authorised agents.

**World Standard for Penicillin.**—An attempt to establish a world standard for penicillin was initiated by leading scientists from many countries at a meeting which opened in London on October 16. Convened by the League of Nations Health Organisation, the meeting took place at the Royal Society, Burlington House, Sir Henry Dale (president of the society) in the chair. The delegates were: AUSTRALIA.—Major J. L. Bazeley (Commonwealth Serum Laboratories). CANADA.—Dr. G. D. W. Cameron (Chief Laboratory of Hygiene, Department of Pensions and National Health, Ottawa). FRANCE.—M. le Dr. J. Trefouel (director of the Pasteur Institute, Paris). UNITED KINGDOM.—Dr. C. R. Harington (National Institute of Medical Research) and Dr. J. W. Trevan (Wellcome Physiological Research Laboratories). UNITED STATES.—Dr. R. D. Coghill (Northern Regional Research Laboratory, Peoria, Illinois), Dr. R. P. Herwick (Chief of the Drug Division of the Food and Drug Administration), and Dr. M. V. Veldee (Chief, Division of Biologics Control, United States Public Health Service). Countries which sent observers included India and South Africa.

**Pharmacy Refresher Courses.**—The draft syllabus for refresher courses for ex-Service pharmacists, as submitted to the Pharmaceutical Society's Council, is as follows:—*Theory.*—The various changes introduced by the Addenda to the British Pharmacopœia (or a new British Pharmacopœia) and the British Pharmaceutical Codex, with particular emphasis on sterilisation methods, galenicals, compressed tablets, immunological products, surgical dressings and sutures. New emulsifying agents (including their use in ointment bases), disinfectants and antiseptics. An elementary consideration of the new drugs of the Addenda and Codex, including their action and uses, the important standards of purity, their stability and compatibility. A general review of the developments which have occurred in vitamins and hormones. A consideration of any recent changes in forensic pharmacy and in retail pharmacy as affected by war-time conditions. *Practical.*—A short refresher course in ordinary dispensing and a more extensive course in the preparation of sterile solutions and material. The use of the new emulsifying agents such as the higher fatty alcohols and their sulphurated products, wool alcohols, etc., in the preparation of creams and ointments. A short course in the pharmaceutical chemistry to illustrate the theoretical part of the syllabus.

## SOLID INSTEAD OF LIQUID MORYL

JUDGMENT was reserved at Oxford recently when a claim against Savory & Moore, Ltd., manufacturing chemists; Dr. Arbad Lovas; Sister J. C. Butler, Cowley Road Hospital, Oxford; and the Oxford Corporation, for damages arising from the death in hospital of a Flight-Sergeant following an injection of a drug alleged to be 400 times stronger than the correct dose, was heard. The action was brought by the Flight-Sergeant's widow. Evidence was given that an injection of Moryl was ordered, and counsel for the prosecution stated that the drug was prepared in liquid and powder form, the powder being 400 times as strong as the liquid. The case against the doctor was that he ordered an injection of a dangerous drug without specifying the quantity to be given, and against the nurse that, though the dosage was stated on the box, she gave an injection which was 400 times too strong. The makers were alleged to have issued a pamphlet suggesting a method of use that was unsafe. For Messrs. Savory & Moore, counsel said that it was regrettable that the circular, which was in the box containing solid Moryl, was included. The words on the circular were mainly a description of the nature of the drug, but there were suggestions for dosage which, in fact, applied only to the weak solution. It would have been much better if the suggestions as to dosage had been omitted or amplified by a reference to the drug in solid form. Savory & Moore, Ltd., supplied the drug only to the medical profession and pharmacists.

Mr. Justice Hilbery: You say that Messrs. Savory & Moore intend and anticipate that persons expert in the use of drugs will be intermediaries between them and any consumer?—Yes, certainly.

Mr. Samuel Gordon Stevenson (the company's factory manager) gave evidence that Moryl was not sold to the general public, and literature relating to it was addressed to the medical profession. Cross-examined for Dr. Lovas, he agreed that at the inquest he had said that if a hospital ordered Moryl the liquid form would be sent unless crystals were asked for. He admitted that the hospital staff would be entitled to assume that they were getting liquid Moryl. Replying to counsel for Sister Butler, Mr. Stevenson said he thought it was the duty of drug manufacturers to consider whether or not it was probable that the form in which they sent out their preparations might mislead

someone into making a dangerous use of the drug. The circular enclosed in the box was not intended to be specific directions, but merely guidance to doctors.

Counsel representing Oxford Corporation asked if it was an indication that from a half to one ampoule might be given by subcutaneous injection with perfect safety. —It had been assumed, said Mr. Stevenson, that the medical man reading the directions would interpret them intelligently. Before the death of Flight-Sergeant Simpson there was no evidence as to the quantity of Moryl which a person could take and survive. He agreed that, in view of what had happened, it was not wise to pack both liquid and solid Moryl in ampoules which were in boxes of the same colour and bearing the same coloured label. Dr. Lovas, a Czech, gave evidence that, until after deceased's death, he was unaware that Messrs. Savory & Moore packed crystal Moryl in ampoules. It was recognised in the profession, he said, that an ampoule contained only one dose. Cross-examined, he reiterated that when he ordered that the patient should be given an ampoule of Moryl he had never seen the drug in crystalline powder form in an ampoule. At the conclusion of the legal arguments, Mr. Justice Hilbery reserved judgment.

### LEGAL REPORTS

**A Disclaimer.**—We have been asked by W. J. Bush & Co., Ltd., Ash Grove, Hackney, London, E.8, to correct any impression that might have been conveyed by the reported statement of Mr. Granville Slinn (*C. & D.*, October 7, p. 370) alleging that he was an agent of the company. Messrs. Bush state that Mr. Granville Slinn has never been their agent, and has never been asked to pay purchase tax for them.

**Paper in Hair Sachets.**—At Southport recently, Waveley Products, Ltd., West Street, Southport, were fined £50, with £10 10s. costs, for producing 8,000 gross hair sachets in contravention of the Control of Paper Order, 1942. Mr. A. V. Cunliffe, defending, said the Order stated that no one could produce hair sachets containing paper unless the whole of the paper used had been acquired, cut, and prepared before November 1941. His client purchased the specially-prepared paper for making the sachets before that date. All that had been done was to have it printed and cut into the required size.



## TOPICAL REFLECTIONS

### Aperients

The section of the current Ministry of Health Bulletin to Pharmacists headed "Constipation Remedies" (p. 408) is a useful summary of a topical subject. Recently the tendency has been to reduce the dosage of popular aperients, under which general term may be included a wide range of laxatives, strong and mild. (In mediæval England "laxative" had not its present shade of meaning.) The cautionary remarks regarding liquid paraffin are worth emphasising, and your readers may with advantage turn to your issue of January 24, 1942, where they will find a page (p. 116) devoted to the question. The article there abstracted mentions a syndrome, "which for lack of a better term may be called mineral oil poisoning," caused by the continued oral administration of liquid paraffin—functioning in such circumstances as a deleterious substance. As a normal policy, customers may be recommended to take small doses of their selected aperient, so as to minimise the occurrence of undesired by-effects. The choice of a regular "stand-by" may present considerable difficulty, as idiosyncrasy counts for much in this matter. Customers should be tactfully induced to avoid frequent changes of medicament, and to try the effect of varying the time of administration before choosing some new candidate for selection. In leaving this subject I may point out that the term "hydragogathartics" has apparently been introduced to classify the four purgatives mentioned on p. 409; are we to infer that their action is precisely similar?

### Drug Control in India

The "recommendations and suggestions" drawn up by the Pharmaceutical Export Group for the assistance of Indian legislators in establishing a control of drug manufacture in that vast country (p. 405) form a valuable contribution to a difficult subject. In your weekly news the conditions of the drug and chemical trades in India have from time to time been made clear by speakers engaged in one or both of those trades. On referring to the two last-reported annual meetings of the Indian Chemical Manufacturers' Association, I notice that although the war has given an impetus to the development of pharmaceutical industry, there is still ample scope for progress in the manufacture of the chemicals needed. Basic industries not being fully organised as yet, the future of others depending on

them remains uncertain. The resources of the Indian Board of Scientific and Industrial Research are said to be inadequate, and the proportion of raw materials necessarily imported is put at the high figure of 95 per cent. It is against this background that the problem of production must be viewed; and we may hope that practical steps to solve it will be taken as a result of the visit of Indian scientists to this country just begun. With your remarks on the advantage of the simple definition of wholesale dealing recommended by the Pharmaceutical Export Group I entirely agree. In Great Britain we have a needless complication in this respect, as a perusal of Memorandum No. 2 of the Home Office on the provisions of the Pharmacy and Poisons Act, 1933, suffices to show.

### A Cultural Note

The importance of attending meetings, or at any rate some meetings, of chemists' associations has never, I believe, been more deftly conveyed than in the fifth instalment of "The Saga of Strathpeffer" (p. 410). The quotations from three stylists of such eminence as Carlyle, Thackeray, and Hooker strike a cultural note that some of your readers may like to exploit by tracing these passages to their respective sources. The Carlyle quotation sent me to my copy of "Sartor Resartus" (unopened, probably, for many years), and without much difficulty I located the passage in Chapter VII of Book II; but the other two I was unable to identify. Is Carlyle read today except for purposes of study? He has neither worn so well as his Victorian admirers expected, nor faded so completely as contemporary detractors predicted. Beneath his forceful personality and the rugged idiom that he evolved, there was a core of genuine learning and of capacity to appraise the work of others. In his "French Revolution," a transcription of history as "seen by flashes of lightning," as someone has said, his method was brilliantly successful. From middle life onwards his great qualities were clouded by a curious obsession in favour of so-called strong men, resulting, *inter alia*, in the glorification of the Prussian king commonly known in this country as Frederick the Great. But through all mutations he unceasingly advocated hard work: that fact cancels much adverse criticism of him, past and present. And, like a good orator, he practised what he preached. **Xrayser**

## TRADE NOTES

**Enema Syringes.**—A range of enemas in four qualities, boxed and neatly labelled, is offered by James Macdonald, Dawson Street, Greengate, Salford, 3. Prices are listed elsewhere in this issue.

**Widely Advertised.**—"Strong" advertising, week after week throughout the season, is referred to by F. W. Hampshire & Co., Ltd., Derby, in an announcement relating to Zubes cough cure on another page.

**Herbal Laxative.**—Bees', Ltd., seed and plant specialists, Mill Street, Liverpool, are issuing under the name Herbox a mixture of crushed herbs intended for use in constipation and associated troubles. The preparation is issued in attractively cartoned paper bags. Terms may be had on application to the makers.

**Refund Offer.**—In a nation-wide press campaign, Knox Laboratories, Ltd., 81 Lamb's Conduit Street, London, W.C.1, make an offer to customers to refund the purchase price in the event of dissatisfaction with their specialties, Cystex tonic for kidneys and bladder, and Mendaco remedy for asthma, bronchitis and hay fever.

**Medicinal Capsules.**—A request to chemists to send in orders for gelatin capsules with a maximum allowance of time in which to execute orders is made by Robert Ferber, Ltd., Carlton Works, Asylum Road, London, S.E.15, who particularly ask that no orders shall be sent for halibut liver oil capsules by chemists who are not entitled to an allocation on a basis of purchases during the 1940 season.

## Business Changes

**BOOTS, LTD.,** have opened new premises at 50-51 Biggin Street, Dover.

**RICOMAN, LTD.,** have removed to 15A Henrietta Place (corner Marylebone Lane), London, W.1.

**GRATTAN & Co., LTD.,** chemists, Corn Market, Belfast, have opened a branch at 199 Lisburn Road, Belfast.

**MR. NORMAN H. BURNS, M.P.S.,** has acquired the business of Mr. Nathaniel Newborn Armitage, Ph.C., 114 Tong Road, Leeds.

**ARTHUR BRANWELL & Co., LTD.,** have removed to Fenton House, 112-13 Fenchurch Street, London, E.C.3. Telephone: Royal 6021-24.

## COMPANY NEWS

**STAINES DRUG STORES, LTD. (P.C.).**—Capital £100. Wholesale and retail chemists, druggists, etc. Louis N. Amiee, 9 Amberden Avenue, London, N.3, director.

**SHARLANDY CHEMICAL CO., LTD. (P.C.).**—Capital £1,000. Chemists, druggists, etc. Directors are to be appointed. Solicitors: Reynolds & Gorst, London, W.C.2.

**HERBROS, LTD. (P.C.).**—Capital £100. Manufacturers of and dealers in chemicals, drugs, etc. Directors to be appointed. Solicitors: Buckridge & Braune, London, W.C.2.

**BIOREX LABORATORIES, LTD. (P.C.).**—Capital £1,000. Manufacturers, exporters, and importers of and dealers in chemicals, drugs, etc. Directors to be appointed. R.O.: 65 Uffington Road, West Norwood, London, S.E.17.

**OXYDENAIRE (BIRMINGHAM), LTD. (P.C.).**—Capital £1,000. Manufacturers of and dealers in oxygen tents, supplies and requisites, and medical and hospital equipment, etc. George W. and S. Douglas Higgs, directors. Solicitors: Cohen & Cohen, 112 Salisbury House, London, E.C.2.

**MARKWELL EDWARDS & Co., LTD. (P.C.).**—Capital £2,000. Manufacturing and dispensing chemists, manufacturers of and dealers in toilet goods, proprietary articles, etc. Cyril Edwards, Graham B. Cooper, and Thomas J. Scrine, directors. R.O.: 589 High Road, Finchley, London, N.12.

**VOLUNTARY LIQUIDATION.**—Mumford & Co., Ltd., chemists, 4 Victoria Terrace, Hove. A meeting of creditors was held recently, when it was stated that the shareholders had previously met and passed the necessary resolution for the voluntary winding up of the company, and had nominated Mr. B. J. M. Boyd, 229 High Holborn, London, W.C., as liquidator. Statement of affairs showed liabilities amounting to £35,678, with assets estimated to realise £6,085. The company was incorporated in October 1930 for the purpose of taking over a business previously carried on by Mr. Mumford, sen. Details of trading were not available. Following the imposition of a fine of £15,000, the sheriff had been in possession. A resolution was passed confirming the voluntary liquidation, with Mr. Parkin S. Booth, 14-17 Holborn Viaduct, London, E.C., as liquidator, with a committee. The business and its branches will be carried on by the liquidator with a view of disposing of them as going concerns.



## PERSONALITIES

Mr. LEONARD HAYWARD, M.P.S., Muswell Hill, gave an address to the local Rotary Club recently on "The Romance of Pharmacy."

Mr. R. A. ASHWORTH, manager of the Colne, Lancs, branch of Boots, Ltd., gave an address to the local Rotary Club recently on "Poisons and Poisoners."

Mr. C. FRY, M.P.S., Southsea, has had two photographic studies reproduced in the October issue of the "P.D.A. Journal," the organ of the Photographic Dealers' Association.

ALDERMAN EDWIN THOMPSON (governing director, Thompson & Capper, Wholesale, Ltd., and Manesty Machines, Ltd., Liverpool) has presented an automatic water still to the Walton Hospital, Liverpool.

Mr. W. F. LUTYENS, a director of Imperial Chemical Industries, Ltd., is one of the four new members of the Advisory Council to the Committee of the Privy Council for Scientific and Industrial Research.

PROFESSOR A. V. HILL, F.R.S., M.P., who delivered an address on "Science in India" at an adjourned meeting of the Society of Chemical Industry in London, on October 13, was awarded the Messel medal.

Mr. H. HUMPHREYS JONES, Ph.C., principal of the Liverpool School of Pharmacy, has been elected chairman of the English Churches Council of the Presbyterian Church of Wales and president of the English Conference of the denomination.

Mr. NATHANIEL NEWBORN ARMITAGE, Ph.C., an ex-president of the Proprietary Articles Trade Association, has retired from business after disposing of his pharmacy at 114 Tong Road, Leeds (see p. 422). The business was opened by Mr. Armitage's father in 1884.

Mr. A. ALDINGTON, M.P.S., Tottenham, and Mr. John Martin, M.P.S., Leek, are among photographers whose work has been selected for exhibition at the London Salon of Photography. Mr. Leek is also represented at the exhibition of the Royal Photographic Society.

Mr. PATRICK J. LYNCH, who has been appointed warehouse manager to P. C. Cahill & Co., Ltd., wholesale and manufacturing chemists, Dublin, served his apprenticeship with Mr. E. P. Magee, Kells, co. Meath, and gained further experience

in the pharmacies of Mr. T. Corcoran, North Strand, Dublin; Dr. Haverty, Bray; and Mr. W. Gannon, Portlaoighise. He has had many years' wholesale experience with the firm of Boileau & Boyd, Ltd., Dublin, and is a native of Oldcastle, co. Meath.

MR. ALEXANDER D. CAMPBELL, Ph.C., M.P.S., was recently appointed a Deputy Director of Medical Supplies, Ministry of Supply. Mr. Campbell served his apprenticeship with Mr. Charles Clark, Blairgowrie, and received his training at the Technical College, Dundee, joining the medical department of the War Office in 1925.

MR. MILO TURNER, M.P.S., 28 George Street, Tamworth, Staffs, has been chosen as mayor-elect of the borough. He has served on the local council for twelve-and-a-half years as a member for Bolehall ward, and has been in business in Tamworth for twenty years. Mr. Turner has been chairman of the public health committee of the council for six years, and chairman of the Letchworth and Tamworth assessments appeal committee. On October 4 he was installed W.M. of the Alchemy Lodge of Freemasons, and is a member of the Staffs County Pharmaceutical Committee, as well as a past-president of Tamworth Chamber of Trade.

MAJOR DESMOND GILBERT CROMIE WHYTE, M.B., B.Ch., R.A.M.C., second son of Mr. J. M. Whyte (managing director, Whyte, Reid & Mitchell, Ltd., manufacturing chemists, Belfast), The Laurels, Church Road, Helen's Bay, co. Down, has recently been awarded the Distinguished Service Order. Major Whyte was medical officer of a Medical Dressing Station overseas and the award, states the citation, was for "complete disregard of his personal safety." . . . "He treated patients and went out on shell and machine-gun swept slopes to collect and treat them." Major Whyte's dressing station was subject to "continual attack by enemy infantry, mortars, machine-guns, artillery and aircraft. Twelve patients and stretcher bearers were killed in the immediate vicinity of Major Whyte, who continued to work as if nothing was happening." "Throughout Major Whyte has shown a spirit of courage beyond all praise," concludes the citation, "and his total disregard of personal safety was an inspiration to all." Major Whyte was previously mentioned in dispatches (C. & D., August 26, p. 215).

## BIRTH

MUNRO.—At Ellwyn, Airywig Drive, Eaglesham, on October 4, Mary, the wife of A. T. Munro, M.P.S., 41 Sinclair Drive, Glasgow, of a son.

## MARRIAGE

NELSON—CHAPMAN.—At St. Columba's Church, Pont Street, London, S.W., on October 14, Lieutenant Philip H. Nelson, R.E.M.E., Belgrave Road, London, S.W., to Jean Birgitte Chapman, eldest daughter of Mr. H. E. Chapman, J.P., M.P.S. (secretary, Proprietary Articles Trade Association), and Mrs. Chapman, The Mill House, Tempsford, Beds.

## DEATHS

BLAKE.—In April 1944, Flying-Officer Robert Johnstone Blake, M.P.S., R.A.F.-V.R., 32 Hill Street, Wishaw, Lanarks. Flying-Officer Blake qualified in 1939.

MOORHOUSE.—On September 28, Mr. Walter Moorhouse, Huntbridge House, Matlock Green, Matlock, aged ninety. Mr. Moorhouse qualified as a chemist and druggist in 1873.

SAUNDERS.—In action in Italy, during September, Lieutenant Albert Henry Saunders, M.P.S., R.A.M.C., 20 Longfellow Avenue, Bath, aged twenty-nine. Lieutenant Saunders qualified in 1938.

SMITH.—At 63 Lyric Road, Barnes, London, S.W.13, on October 14, Mr. Frederick J. Smith, F.N.A.A. (Orridge & Co., chemists' transfer agents, London), aged sixty-three.

WEST.—On September 16, Mary Aileen West, M.P.S., 81 Goldington Road, Bedford, aged forty-four.

## WILLS

MR. JOSEPH MARSDEN, M.P.S., 21 Wheat-house Terrace, Birkby, Huddersfield, left £2,393, with net personalty £2,344.

MR. HERBERT DAVIES, 123 Holden Road, Woodside Park, London, N., late partner in Slann & Davies, drug merchants, London, left £28,250, with net personalty £27,482.

MR. ERIC ELSDYLE MORGAN, Elsdyle, Radlett Road, Boreham Wood, Herts, managing director of the General Surgical Co., Ltd., left £4,348, with net personalty £2,524.

MR. HUGH ARNOLD ALDERDICE, 129 Strand Road, Sandymount, Dublin, late senior representative of Boileau & Boyd, Ltd., manufacturing chemists, Dublin, left

personal estate in England and Eire valued at £3,142.

MR. EDWARD JOSEPH SHORTT, drug and chemical merchant, 89 Woodcote Road, Wallington, Surrey, formerly a director of the Old Strand Chemical & Drug Co., Ltd., who died on June 5, left £1,722, with net personalty £1,634.

FLYING-OFFICER FREDERIC WILLIAM BILSON, M.P.S., R.A.F.V.R., 1 Lansdowne Crescent, Bournemouth, son of the late Mr. F. E. Bilson (a past-president of the Pharmaceutical Society), left £11,255, with net personalty £6,184.

## COMING EVENTS

### Sunday, October 22

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble to Chinley, Chapel, and Great Hucklow. Meet Central Station, 8.30 a.m. Book Chinley return. Inquiries to W. Edwards, Old Trafford.

### Monday, October 23

FOOD EDUCATION SOCIETY, London School of Hygiene and Tropical Medicine, Keppel Street, Gower Street, London, W.C.1, at 2.30 p.m. Miss Rose Simmonds (dietician at Hammersmith Hospital) on "Food and the Sick."

### Tuesday, October 24

HARROW BRANCH OF THE PHARMACEUTICAL SOCIETY, Gayton Rooms, Station Road, Harrow, at 7.15 p.m. Meeting to receive report on and discuss the Harrow questionnaire.

SCHOOL OF PHARMACY OF THE LEICESTER COLLEGE OF TECHNOLOGY AND COMMERCE, and LOCAL BRANCH OF THE PHARMACEUTICAL SOCIETY, Room 104 of the College, at 7.30 p.m. Distribution of prizes by Sir Herbert L. Eason (president of the General Medical Council, 1939).

### Wednesday, October 25

WESTERN PHARMACISTS' ASSOCIATION and BRANCH OF THE PHARMACEUTICAL SOCIETY, 17 Bloomsbury Square, London, W.C.1, 7.30 to 8.30 p.m. President and officers at home to members. Refreshments.

### Thursday, October 26

EIRE PHARMACEUTICAL STUDENTS' REPRESENTATIVE COUNCIL, 67 Lower Mount Street, Dublin, at 8 p.m. Annual meeting.

WEST HAM AND EASTERN DISTRICT ASSOCIATION OF PHARMACISTS and BRANCH, Ilford Town Hall, 7.30 p.m. to 11.30 p.m. Public dance in aid of the Pharmaceutical Society's Benevolent and Orphan Funds. Tickets 2s. 6d. from secretary, 21 Broadhurst Avenue, Ilford.



## PHARMACEUTICAL SOCIETY EXAMINATION RESULTS

The following satisfied the examiners in the Chemist and Druggist Qualifying Examination held in England and Wales in September and October:—

Arstall, Albert Edward, Manchester  
 Bagot, Margaret, Stone  
 Bailey, Olga Lefley, Bedford  
 Baker, Philip Basil, Sudbury  
 Bale, William Malyn, Llandaff  
 Bayliss, Leslie William, Evesham  
 Bellis, Frank W., Ashton-under-Lyne  
 Blackmore, Vincent Cecil, Llanelly  
 Blake, James Wilfred, Towcester  
 Blythe, Rowland Arthur, Mansfield  
 Burge, Kenneth Emms, Lyme Regis  
 Carpenter, Owen Thomas, Andover  
 Collister, Sefton G., Port St. Mary  
 Corden, Peter Kenneth, Bletchley  
 Crawshaw, Challis, Boscombe  
 Dabill, Leonard David, Sheffield  
 Davies, John N. G., Cardigan  
 Day, Norman Reginald, Guildford  
 Dimond, Clifford Roy, Barry Dock  
 Gibbon, David Reginald, Pentre  
 Hawkins, William Roy, Minehead  
 Hazzlewood, Norman R., Manchester  
 Hewes, Walter Hedley, Leicester  
 Holden, John Oliver, Haslingden  
 House, Frederick Charles, Lymington  
 Howitt, Roy Harry, Ratby  
 Johnson, Eric, West Hallam  
 Jones, Daniel Llewelyn, Bristol  
 Jones, Richard Gerwyn, Glynneath  
 Kaye, Leslie, Dinas Powis  
 Knight, Olive Ruth, Chelmsford  
 Lancaster, Oswald Bernard, Clitheroe  
 Lawson, Raymond Maurice, Blackpool  
 Layer, Henry W. T., Coggeshall  
 Libot, Yvonne, South Woodford  
 Lobb, Olive Mildred, Cowes  
 Lord, Reginald George, Leicester  
 Loughlin, Raymond, March  
 McCusker, Kathleen E., Thornaby-on-Tees  
 Martin, Graham Cooper, Exmouth  
 Mitchell, Barbara, Lyme Regis  
 Mugleston, Alfred John, Burton-on-Trent  
 Newitt, Harold James, Llanfoist  
 Page, Joyce Mabel, Leicester  
 Parry, John Clifford, Chester  
 Pendlebury, John Stanley, Wigan  
 Pickup, John T. E., Rawtenstall  
 Rogers, Vincent Walters, Kidwelly  
 Rumsey-Williams, Madge, Holly Hall  
 Schofield, Thomas Hopwood, Bolton  
 Selfe, Frank Cecil, Clacton-on-Sea  
 Slingsby, Dorothy Margaret, Cambridge  
 Sloan, David Alexander, Grantham  
 Smith, Gordon, Blackburn  
 Taylor, Walter T. H., Ilfracombe  
 Thursfield, John Alfred, Padiham  
 Ware, Anthony Maurice, Blackley  
 West, Helena Jane, Leek  
 Wheeler, John G. B., Felixstowe  
 Whitehead, Thomas, Mossley  
 Wilkinson, James, Leigh  
 Willmott, Betty Margaret, Portishead  
 Wortley, Kenneth, Huddersfield

The following satisfied the examiners in Scotland in October:—

Allen, John Arthur, Wrexham  
 Bain, Stanley Hall, Dundee  
 Bainbridge, Thomas W., North Shields  
 Ball, Eugene T., Birmingham  
 Barnes, Barbara Joan, Doncaster  
 Bentley, Douglas, Liverpool  
 Boddie, George Duff, Aberdeen  
 Bremner, Isabel, Newburn-on-Tyne  
 Briggs, Margaret Hilda, Halifax  
 Burdon, Stanley Reginald, Billingham  
 Carson, Robert Conyers, Bradford  
 Clyde, David Adams, Newcastle-on-Tyne  
 Coates, James, Whitehaven  
 Cook, James Russell, Dundee  
 Darlington, Phyllis, Liverpool  
 Day, Leonard Wilson, Redcar  
 Duncan, Ronald Sinclair, Dundee  
 Eccleshall, R. R., Brierley Hill  
 Evans, Thomas John, Liverpool  
 Evison, John, Redcar  
 Fisk, Thomas Sydney, Sherburn  
 Fraser, Alan, Dundee  
 Grace, Josephine Angela, Annitsford  
 Haigh, Edward, Huddersfield  
 Hall, Marjorie, Sunderland  
 Hammett, Marjorie E., Coventry  
 Hilling, Norman, Glasgow  
 Hirst, Eileen Mary, Wigan  
 Holmes, Alexander John, Galashiels  
 Holmes, Edwina Anne, Sunderland  
 Hughes, Rowland Owen, Liverpool  
 Hutchinson, John Glover, Leeds  
 Hyman, Nathan, Middlesbrough  
 Jones, Brenda Minnie, Llanymynech  
 Jones, John Peris, Deiniolen  
 Kerridge, Jack, Sowerby Bridge  
 Kirkby, Marjorie, Huddersfield  
 Lightfoot, Lawrence, Waterhouses  
 Lofthouse, Sidney Charles, Lichfield  
 Machell, Donald, Manchester  
 Main, Stanley, Stonehaven  
 Mountain, Geoffrey, Middlesbrough  
 Murgatroyd, Eric, Shipley  
 O'Shaughnessy, Margaret Mary, Birmingham  
 Robinson, Douglas W., Brighouse  
 Royston, Stanley Myers, Bradford  
 Rutherford, Joyce, Morpeth  
 Sandiforth, Constance Mary, Liverpool  
 Sayers, Monica C. F., Birmingham  
 Scott, Thomas William, Horden  
 Shand, Helene Mona, Birmingham  
 Shearer, Alexander, Wick  
 Smith, Jeannie MacPherson, Joppa  
 Strachan, David, Dundee  
 Thomson, Caroline Mary, Monifieth  
 Wailing, Mavis, Doncaster  
 Watson, Kathleen, Hoylake  
 Wells, Robert Alexander, Bingley  
 Williams, John Selwyn, Liverpool  
 Wilson, Audrey Jean, Birmingham  
 Woodhouse, John Bramley, Liverpool

**No Stand Easy.**—Many more tons of waste paper are wanted for victory. Can you help?

## FUTURE OF EDIBLE VEGETABLE OILS

by E. F. Hunt (National Diploma in Dairying)

In a previous article the importance of the edible oils, particularly those designated as vegetable oils, was pointed out, and their contribution to human food and health was discussed. Pre-war distribution was outlined, and it was shown that the problems of more equitable distribution and increased production are of universal concern. With the possible exception of Russia and the Argentine, most of the pre-war producers have consumed less than their fair share, while others have been literally starved of essential fats and oils. If the position is to be evened out, many of the former importing countries will have to produce their own supplies. This position has already been envisaged, and certain countries have initiated production.

### Production Figures

At the present time Uruguay is a large producer of vegetable oil crops, chiefly groundnut and sunflower. The 1944 acreage of groundnut sown is some 30 per cent. under that of 1943, but sunflower acreage has been almost doubled, totalling about 133,685 acres. This year's crop will, it is estimated, produce some 38,280 tons, or nearly eight times the 1943 sunflower seed yield. Canada has become exceedingly interested in the problem of vegetable-oil supplies. The growing of sunflower was commenced on a commercial scale in 1939. By 1943 the acreage was about 30,000, and though the proposed 1944 acreage was set at 50,000 (a figure which it is now realised will not be reached), the "Financial Times of Canada" stated, in May 1944, "Canada is still in urgent need of vegetable oils, and while efforts are being made in the Dominion to increase the production of soya beans, sunflower and rape-seed as vital sources of oil, it is not possible to grow enough of them." It may be noted that, in 1942, Canada imported 20 million lb. of sunflower oil from the Argentine. The future plans of the Dominion are indicated by the erection in Toronto of a plant for producing vegetable oils from home-grown sunflower, etc., at a cost of £500,000. Canada's figures for oil content in sunflower, which is considered the major oilseed crop, are: Whole seed, 24-25 per cent.; kernel, 50-55 per cent. The figures are 10 per cent. higher than those obtained in the Argentine. It has been estimated that a 30,000-acre crop would yield over 18½ million lb. of seed, capable of providing 4½ million lb.

of high-quality vegetable oil and, from the kernel, more than 2,250 tons of high-protein meal, suitable for stock feed.

In Rhodesia, sunflower has been grown for some thirty years. Not only is the seed used for oil and the residue therefrom for feeding cake, but the by-products of the de-seeded heads, which contain considerable quantities of protein, as well as 5-6 per cent. of oil, are milled for meal for stock and poultry food.

### European Sources

The future position in central and eastern Europe is, of course, obscure. Before the war, Hungary, Bulgaria, Jugo-Slavia, Rumania, and Czechoslovakia were large growers of sunflower for oil, and considerable quantities of rape were also grown for the same purpose, especially in Bulgaria and Germany, while the production of maize has been stepped up, particularly in Germany and Hungary. Poland has concentrated on sunflower as a crop only since 1935. It is noteworthy that Denmark, from whom the United Kingdom purchased large quantities of butter and other dairy products, employed sunflower cake as 50 per cent. of the concentrated ration of her dairy herds. The cake was imported, largely from the Argentine.

It has already been foreseen that Britain will be very short of vegetable oils after the war, when Lease-Lend ceases, and that it will be impossible to depend on imports of such oils and their by-products for animal feeding stuffs, as heretofore. For this reason the Agricultural Research Council and the Agricultural Development Board are applying considerable efforts to research on oil-producing crops that can be grown in Britain. Special grants have been made for the purpose. It may be worth while examining Britain's pre-war imports of vegetable oils and by-products. The following import figures are taken from the Board of Trade returns for 1938 (the last complete year in which returns were available) and do not include either castor bean or seeds used for the production of gums and resins:—

	Tons	£
Seeds, oil ..	1,591,016	14,303,162
Oils, vegetable ..	214,215	4,123,658
Oilseed feeding cakes	665,428	3,894,939
	<u>2,470,659</u>	<u>£22,321,759</u>



The figures given in the foregoing analysis are actually below those of 1937, the reduction being due to the spread of the Sino-Japanese war, the effects of the Spanish revolution, and the uneasy state of Europe. 72,000 tons out of the 1938 total consisted of copra, largely from Malaya, Fiji and Papua.

#### Uses of Vegetable Oils

The uses of vegetable oils are extremely wide. Apart from the production of margarines, or vegetable lards, of which the world consumption is on the up-grade, for canning, salad and cooking oils, and medicinal purposes, there are also large commercial demands in the soap and cosmetic trades, the woollen industry, etc. It is important to realise that the by-products of oilseeds are essential for the production of animal fats and dairy products, and the proposed policy of re-

sowing much of the arable land of the country to grass, for keeping dairy cattle to increase milk supplies (which have always been in the past well below the optimum in amount) has a considerable bearing on the question.

#### C. & D. QUIZ NO: 39

1. Who wrote the following? "The wise for cure on exercise depend, God never made His work for man to mend."
2. Who discovered phenol?
3. Who was the first Pereira medallist?
4. Why are Jordan almonds so called?
5. What is the first recorded mention of liquorice?
6. Where was the first public gasworks erected?
7. What is "mineral chameleon"?
8. What is wolfram?
9. When was bismuth first mentioned?
10. What is powder of Algaroth?

(Answers on p. 441)



**RETIRING AFTER FIFTY-TWO YEARS.**—Picture shows leave-taking of Mr. Silvester after fifty-two years' service with A. Boake, Roberts & Co., Ltd., Stratford, London. Mr. Silvester joined the staff on June 29, 1892. He remembers the day well. He attended in a silk hat and morning coat, the "uniform" of the business world of those days. His first duty was to assist in stamping letters—not a duty, he felt, which was in keeping with his education at Cranleigh, but one which a good office boy must perform with all diligence. As time went by Mr. Silvester acquired facility in shorthand and typewriting (ladies were hardly seen in commercial offices in those days). Still later he was appointed chief cashier to the company. Mr. Silvester is seen saying goodbye to some of his colleagues, including Mr. Mackenzie (fine chemicals), right, Mr. Wilkinson (flavours), left, and, shaking hands, the "office boy" of today.



## INSURANCE ACT DISPENSING

**Erith.**—The desirability of pressing for a further opening of chemists' shops was considered by the Finance and General Purposes Committee of the Erith Borough Council, recently, and it was resolved to take the matter up with the County Insurance Committee. The Medical Officer has also been instructed to take the views of local medical practitioners upon the necessity for extending on a rota basis the evening opening of chemists' shops in the Committee's area.

**Bournemouth.**—The difficulty encountered by insurance patients in securing medicines on prescriptions under other Insurance Committees was referred to at a meeting of the Bournemouth Insurance Committee recently, when the Clerk reported that a number of cases had come to his notice in which insured persons, principally evacuees from Metropolitan areas, had obtained prescriptions before leaving there. Doctors and chemists had been circumscribed with a suggestion that fresh prescriptions should be issued locally and dispensed. The Committee recommended that a request should be made to the Minister of Health to devise some means whereby chemists under contract with one Insurance Committee might be remunerated for dispensing the prescriptions issued on another committee's forms.

**Edinburgh.**—That a comprehensive medical service should be erected by stages was the view taken by the Insurance Committee at a meeting on September 28. The Committee adopted a resolution welcoming "the proposal of the Government to secure a comprehensive medical service for the people," but was of opinion that, "as the foundation for such a scheme already exists, the desired object will best be attained by building on that foundation. The Committee is accordingly of the opinion that the proposed new services should be erected stage by stage, and that the first stage should be (a) the extension of medical benefit to persons of a financial status similar to those entitled to medical benefit under the National Health Insurance Acts, to the dependants of insured persons and those of a similar financial status, and to those who presently obtain medical treatment through Public Assistance Committees; and (b) the widening of medical benefit to include consultant and specialist services; and the provision of all necessary diagnostic and laboratory facilities, and of further hospital accommodation.

## TRADE MARKS

(From "The Trade Marks Journal,"  
September 27)

- Device of man wedged between two rocks; for metal storage containers and parts (6); carbon dioxide filling plant, and parts (7); installations for extinguishing fires by inert fluids, and parts (11). Also the word "CARDOX" for carbon dioxide filling plant, and parts (7). By Cardox (Great Britain), Ltd., 20 Copthall Avenue, London, E.C.2. 628,205, -06, and -08 (All Associated), and 628,200.
- "BLOSSOM TIME"; for cleansing paper tissues (16). By Velvet Crêpe Paper Co., Ltd., Woodside End, Mount Pleasant, Alperton, Middlesex. 629,631.
- Rectangular device containing letter, "J" (exclusive use of letter disclaimed); for rubber, synthetic rubber, and artificial rubber, all being cellular expanded substances, etc. (17). By Jicwood, Ltd., Weybridge Road, Weybridge, Surrey. 626,762 (Associated).
- "METEX"; for hair-curlers for attachment to the hair (26). By Metal Textiles, Ltd., Spring House, Spring Place, London, N.W.5. 629,418.

### APPLICATION AMENDMENT

According to "The Trade Marks Journal," September 27, 1944, specification No. 625,876 by M. I. Downing has been altered so as to read, "Medical and surgical plasters, and poultices," and in specification No. 628,214 by Metal Closures, Ltd., the address has been altered so as to read, "Bromford Lane, West Bromwich, Staffordshire."

(From "The Trade Marks Journal,"  
October 4)

- "CRESANTOL"; for industrial chemicals, exclusive of synthetic resins, etc. (1). By Monsanto Chemicals, Ltd., Victoria Street, London, S.W.1. 628,943 (Associated).
- "SLIX"; for soap powder (3). By Gerard Brothers, Ltd., Wilkinson Street, New Basford, Nottingham. B626,825.
- "KEYSOL"; for liquid soap; and "LATSOL"; for liquid toilet soap (3). By Wimsol, Ltd., Grace Street, Keighley, Yorks. 627,773 (Associated), 627,775.
- A cross device and words, "Carus product" (word "Carus" disclaimed and mark not to be used in colour or colours); for toilet powders, and soaps (3); toilet paper and paper handkerchiefs (16). By A. Carus & Sons, Ltd., Hoddlesden Mills, Johnson Road, Hoddlesden, Darwen. 629,613, 629,615 (Associated).
- "MARELLE"; for perfumery, essential oils, toilet preparations, cosmetics and soaps (3); pharmaceutical preparations (5). By Hunter, Garnett & Co., Ltd., 9 Glenside Road, Shipley, Yorks. 629,912-13 (Both Associated).
- "TRAPID"; for bleaching preparations, perfumes, cosmetics, toilet preparations, soaps, mouth-washes, etc. (3). By Koray, Ltd., 56 Gamage Building, Holborn, London, E.C.1. 629,925.



## MEDICAL OUTFITS FOR WAR PRISONERS

As an effort to provide, under difficulties, as much care as possible for American prisoners under control of the Japanese, the U.S. Army Medical Department has developed special medical supplies for shipment to the Far East, complete with instructions for their use by prisoners-of-war and civilian internees in isolated camps. The packages have been designed for distribution by the International Red Cross, and the packing cases are labelled in English and Japanese. The plan for making supplies available to prisoners was developed by a committee of officers in the office of the Surgeon-General, in collaboration with British, Canadian and American Red Cross officials. Specifications were worked out by officers of the Army Medical Section. Besides drugs, the shipments contain dressings, simple types of surgical and dental instruments, sterilising equipment, insecticides, and water purifiers. The shipments are prepared in three types of unit—a 100-man unit, containing five packages, a hospital unit, and a bulk supplies unit. Ten 100-man units, plus the

hospital and bulk supplies units, contain supplies believed to be sufficient for the needs of 1,000 men for three months. In order to facilitate handling and make for easy recognition by non-English-speaking labour, the special plywood, waterproofed cases, each of which bears a large Red Cross and is addressed to the International Red Cross delegate, are painted in special colours, according to the type of unit.

Approximately 126 different drugs are provided, and each package of the 100-man unit contains a booklet with precise instructions in simple terms. The 100-man unit contains drugs which can be used by laymen, while the hospital and bulk supplies units are intended for installations where professional services may be available. The medicines selected are those most useful in treating diseases known to be prevalent in the Far East and for ailments likely to beset persons living under prison-camp conditions. It is understood that shipments of British, Canadian, and American medical supplies to prisoners of the Japanese in the future are to be standardised.

## PROFESSOR BERRY ON DISINFECTANTS

In an informative address on "Antiseptics" as given by Professor H. Berry, B.Sc., Ph.D., F.R.I.C., at the opening meeting of the session of the National Association of Women Pharmacists on October 5, the president (Miss M. C. Islip) in the chair. Professor Berry pointed out that the title covered a wide field and that he proposed to deal with one section only: disinfectants. He emphasised that the pharmacist should be the expert on the chemical nature of antiseptics, and on the methods of preparation for their use. For general purposes phenol and cresol were good bactericides, owing to their powerful and non-selective action, but they had the disadvantage of being toxic and irritating, and the use of cresol was limited owing to its slight solubility in water. The black and white fluids were of use in large-scale disinfection, black fluids being solutions in soap, giving stable emulsions on dilution, and white fluids being formulated with various mixtures of soaps, gelatin, and casein. The chlorinated phenols, of which *p*-chloro-meta-cresol was most generally used, were highly efficient, and had the advantage of being colourless and odourless. Chloroxylenol was effective against haemolytic streptococci, but less effective against

staphylococci. Chloroxylenol was used as a solution in soap as liq. chloroxylenolis. In undiluted form this was suitable for skin sterilisation. The use of diluted solution of chloroxylenol as a general disinfectant to replace preparations of cresol or the black and white fluids was to be deprecated, as in this form it was unreliable. Professor Berry went on to say that aqueous solutions of soaps did exert some germicidal action, but their chief value was in their detergent and wetting action, so that micro-organisms were washed away rather than destroyed.

Ordinary soaps owed their detergent and germicidal action to the structure of their anions, but there were other detergents which were not soaps (sodium, cetyl and lauryl sulphates) and these also owed their action to their anions. Their bactericidal action was against gram-negative organisms. Some quaternary ammonium compounds also exerted detergent and germicidal properties, but their action was due to the cation, and these were effective against both gram-positive and gram-negative organisms. Professor Berry pointed out that anionic and cationic detergents were incompatible, and when solutions of the two types were mixed their detergent and bactericidal properties were lost.

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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire

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*The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.*

## Patents Law Reform Proposals

CERTAIN shortages—revealed by the war—of strategic chemicals having been attributed to monopoly agreements based on patents, it is a reasonable claim that special consideration should be given to proposals (p. 434) put forward by a British chemical committee for effecting reforms in the existing patents law. The suggestions are made in answer to specific questions put by the Board of Trade in the form of a questionnaire, and the committee responsible for the replies was representative of manufacturing, professional and trading interests in the field of industrial chemistry.

### Almost Unanimous

So large a measure of agreement was reached by the committee that there was only one dissident, and only on two points did he disagree with the view of the majority. The Government's questionnaire was framed mainly to decide whether the existing patents law has been used to bolster up cartels, whether an alternative system would prevent foreign interests from prejudicing this country's security, and whether there is any way out of the present disproportionate costliness of patents litigation. The Chemical Committee's memo-

randum urges improvements in three main directions, viz. :—

- (a) Reducing invalid patents.
- (b) Reducing the costs of legal action.
- (c) Strengthening the system of compulsory licences.

These aims are not to be regarded as entirely separable from one another, for, as the Committee points out, if the number of invalid patents is reduced, the standard of validity of the Patents Office will be brought more into line with that of the Courts. To reduce invalid patents, it is proposed that the Comptroller's powers of refusing applications shall be extended, though in prescribed directions.

The suggested machinery for limiting the costs of litigation is a new Patents Division of the High Court, in which there shall be three judges with special experience in patents law, and either one or two additional lay members, selected from a permanent panel of six or eight technical and scientifically-qualified persons. In this way much of the evidence which at present requires to be heard can be omitted. Solicitors and patent agents would also have the right of audience, except in cases of appeal, to the House of Lords. Agreements having the effect of reducing British production to nil or a negligible quantity would be countered by empowering the Comptroller to grant compulsory licences without royalty, or in extreme cases to exclude the patentee and his original licensee from manufacturing under the patent. Side by side with this power would go a more specific statement of what constitutes an abuse of monopoly.

The vexed question of licences of right is one of the two points on which the dissenting member—a representative of the Therapeutic Research Corporation—issued a minority report. All the remaining members accepted the views previously advanced by Imperial Chemical Industries, Ltd. (see *C. & D.*, February 19, p. 200), and in a memorandum published by the Chartered Institute of Patent Agents which, in effect, directly negative the suggestion that all patents should be so endorsed. Both this matter and the question of full disclosure of the specification, which the dissentient member advocates, or limitation

of what is made public to the date, licensee's name, and whether the patent is exclusive or non-exclusive, which the majority recommend, are matters which, in the last resort, can only be decided by public opinion in what is considered to be the national interest. In the meantime, the Committee's memorandum will no doubt be given the attention in Whitehall which its authoritative and nearly unanimous character demands, and welcomed in the trade as an event of major importance in the development of the British chemical industry.

## Surplus Government Factories

THE announcement by the Board of Trade that surplus Government factories may be acquired on lease for post-war use under certain specified conditions can have only a limited appeal to the drug and allied trades. The premises concerned will not be sold outright (as happened after the last war), except in special circumstances, but will be let to selected tenants for a period of ten years, with an option to the tenant at the end of the ten-year period to take a further lease for a long term. Rents will be based on the 1939 rental value, but will be subject to review at a later date. While it is appreciated that the Government is trying to take every possible step to ensure that the surplus factories will be utilised "in the national interest," it is perhaps unfortunate that the terms specified in the agreement will impose upon the prospective tenant a measure of control that will doubtless tend in some instances to cramp his style in the difficult process of building up a successful business under keenly competitive post-war conditions.

### A Source of Difficulty

While the "appropriate safeguards" to be contained in the terms of the short lease (an initial ten-year period) appear reasonable enough, some difficulties are likely to be encountered in their application to individual cases. For example, an applicant must be prepared to "make efficient use of the factory premises with a minimum of reconstruction." Who, it may be asked, is to set the standard of "efficiency" which must be maintained under the terms of the agreement? The manufacturer concerned

or some Government department? New products and novel methods of manufacture on which the success of our post-war trade will largely depend will constantly call for reconstruction and rearrangement of plant on a considerable scale. Are these domestic technical problems to become the concern of officialdom? Other "criteria of national interest" in accordance with which the factories will be allocated include "the establishment of a balanced distribution of industry." No doubt this means that applicants for factories will be "directed" to particular areas where it is thought (by the Government) that labour and other necessary facilities will be most readily available. Applicants will also be required to satisfy other criteria, e.g. the re-establishment and expansion of export trade, the maintenance of a war potential and the requirements of town and country planning. Firms whose factories have been damaged or destroyed by enemy action, or have been requisitioned by the State, will be given special consideration.

### Tenant's Responsibilities

The short lease will provide that the tenant shall be responsible for all outgoings and will contain full repairing covenants and also covenants not to assign or to sublet or, without lessor's consent, to make structural alterations. It may, in certain instances, contain provisions relating to the maintenance of fixtures. The short lease will normally cover all buildings, services, and built-in plant. It will be open to the tenant to acquire all, or a substantial part, of the machine tools in the factory (provided they are not Lease-Lend tools), if he so desires, on terms to be arranged. If the tenant satisfies the Board of Trade that he genuinely requires for use in connexion with his operation of the factory any of the other removable contents, such as shop equipment, furniture fittings, etc., he may purchase these at prices approved by the departments responsible for the disposal of surplus Government articles in those categories.

## INFORMATION WANTED

*Information with respect to suppliers of under-mentioned will be appreciated:—*

CSW/57. Takazarine (makers and packings)



## CHANGES IN FOOD LABELLING ORDERS

THE Minister of Food proposes to postpone the date of operation of the Labelling of Food Order (S.R. & O., 1944, No. 738) in respect of sales by wholesalers and retailers, so as to give manufacturers and packers up to December 30 to comply with its requirements. Wholesalers will be given three months, and retailers six months, after January 1, 1945, to clear stocks of products the labels of which do not comply with the Order. It should be noted that wholesalers and retailers selling foods prepared by themselves must comply with the Order on and after January 1, 1945, and that, after that date, it will be an offence to publish any advertisement in which the presence of vitamins or minerals is claimed unless the terms are complied with.

### Prepacked Food Colourings

The Ministry has also had under consideration the manner in which the ingredients of prepacked food colourings should be disclosed for the purposes of the Order. As issued, the Order requires that labels of food colourings prepacked for sale as such shall disclose the identity of the colouring ingredients with which they are made. In view of the difficulties in applying this requirement to colourings prepared with synthetic dyes, it has been decided that, before the Order comes into force, an amendment will be made providing that the identity of the dye or colour ingredient need not be disclosed. It will be sufficient to disclose the ingredient as "colour" without further specification as to composition except that where the colouring is of synthetic origin the word "colour" must be qualified by either "synthetic" or "artificial." The appropriate disclosure in the case of a solution of a synthetic colour would, therefore, include "synthetic colour" or "artificial colour," together with the ingredients of the solvent (or, in the case of an aqueous solution, "solution of synthetic colour," or "solution of artificial colour"). The name of the dye may, of course, be given in addition if desired. Where the colour is not of synthetic origin, the disclosure may show either the identity of the colouring ingredient—e.g., "burnt sugar" or "caramel"—or simply "colour," together with the other ingredients of the preparation (or, in the case of an aqueous solution, "solution of colour," or, for example, "solution of burnt sugar").

Where a prepacked food is wrapped in

more than one container, and the labelling on the inner container is not clearly legible through the outer wrapper, the Labelling of Food Order requires a label to be printed on, or attached to, both wrappers. The Minister has now decided to amend the Order to permit the use of a plain liner to an outer wrapper in which the product is sold unopened, provided the use of such a liner, which would not normally be removed from its outer wrapper during use, is needed for proper protection of product.

## CALL-UP STATEMENTS

THE Central Pharmaceutical War Committee (England and Wales) announces that it has recommended to the Ministry of Health that, except for pharmacists and dispensers who have been individually notified to the contrary, deferment of calling-up for men in the group recommended for deferment of call-up until September 30, with further consideration, be extended to March 31, 1945, provided they remain in their existing posts, with further consideration at the end of that period. Individual notifications will not be sent to those whose deferment has been recommended for extension, but men for whom no further period of deferment in their present employment is recommended will be afforded an opportunity of appeal. The position of pharmacists and dispensers who were (a) under thirty years of age at the date of their registration and who have been informed that they will not be released for calling-up until a substitute has been found, and (b) over thirty-five at the date of their registration and who have been informed that they are earmarked for use as substitutes for the "under thirty" men, is under consideration.

The C.P.W.C. and Scottish Central Pharmaceutical War Committee, also advise employers of women regularly engaged in the handling of drugs and medical and surgical appliances, with a minimum of six months' training, to instruct them to state, when being interviewed at local offices of the Ministry of Labour and National Service for possible withdrawal, that they are so engaged, and that by reason of their six months or more training, they are entitled to have their occupation described as "woman drug hand." This procedure should be followed irrespective of whether their employers wish to make representations for retention on their behalf.

## CHEMICAL COMMITTEE ON PATENTS LAW

THE attitude of a Joint Chemical Committee towards questions of British patents law reform, put to it in a questionnaire by a committee appointed by the Board of Trade, has been made known in a memorandum recently issued. A second memorandum, dealing with the grounds on which, in the Chemical Committee's view, the Comptroller should be authorised to refuse patents applications, is to appear at a later date. Bodies represented on the Joint Chemical Committee include the Association of British Chemical Manufacturers (four members), Biochemical Society, British Association of Chemists, Chemical Society, Institution of Chemical Engineers, Royal Institute of Chemistry, Society of Chemical Industry and Wholesale Drug Trade Association (one member each). Unanimous agreement was reached on all except two points, on which a minority report by one member is included in the memorandum.

In an introduction, the Committee states its firm conviction that any amendment of the patents law should include provision for the enlargement of the powers of the Comptroller to have the effect of reducing the number of invalid patents granted, and of bringing the standard of validity in the Patent Office into line with that which obtains in the Courts. Important proposals or comments made in the memorandum include the following:—

### Use of Patents to Form Cartels

As it is possible for a company or group of companies to hold a network of patents (most of which may be invalid) the way is open to restraint of trade, the formation of cartels based on the patent position, and the threat of costly legal actions. The remedy suggested by the Committee lies in (a) refusing the granting of invalid patents, (b) strengthening the section dealing with compulsory licences, and (c) considerably reducing the costs payable by successful defendants in patents actions. It has been alleged that patented inventions are bought up by interested parties in order to stifle them. Specific cases, the memorandum states, are practically never cited, but where details are given it is usually found on investigation that there was good reason why the invention was not worked. If anyone is willing to work the invention it becomes impossible to stifle it by buying up the patent, since a section of the Act provides for the grant of a compulsory licence in such instance. The Committee

recommends that it should be made compulsory on the patentee, under some substantial penalty, to register a patent licence on a Register at the Patent Office, and to file with the Comptroller a copy of the licence and any documents referred to therein, together with a statutory declaration that the documents filed disclose all terms and conditions of the licence and all considerations therefor. It is suggested that the only information to be available to the public should be the date of the licence, the name of the licensee, whether the licence is exclusive or non-exclusive, the duration of the licence, and the date of its registration. It is further recommended that the conditions constituting an abuse of monopoly should be set out as simply as possible. Where the patent is being worked abroad and the product imported into the United Kingdom under agreement with a British licensee, who agrees not to work the invention in the United Kingdom but to obtain all the requirements of the British market from abroad, or where the proportion of the manufacture in the United Kingdom is negligible, it is suggested that the Comptroller should have power, in addition to the powers already conferred, to grant a compulsory licence, without royalty, and in extreme cases to exclude the patentee and his original licensee from manufacturing under the patent.

The procedure for applying for compulsory licences is considered unsatisfactory in that it allows the patentee to delay and prolong unduly the proceedings for his own ends. The relevant date up to which non-working is to be proved should be the date of first application to the patentee for a licence, not the date of the eventual hearing. Applicants for compulsory licences should be required to make out the *prima facie* case (for example, that after reasonable inquiries the applicant was unable to find any reasonable supply of the patented goods manufactured in this country, and that he was refused an ordinary licence by the patentee, or received no reply within a reasonable time). Thereafter, it is recommended that the onus of proof should pass to the patentee.

### Invalid Patents

A large proportion of patents now granted are invalid for reasons which the Patent Office has at present no power to consider, since it can only refuse an application on



certain limited grounds. The Committee is of opinion that a suitable extension of the grounds would raise the status of the British patent system, diminish the number of patent actions, give the patent applicant the means of obtaining cheaply and at an early stage an indication of the validity of the patent protection obtaining for his invention, and prevent the use of "paper patents" to bolster up unmerited monopolies. The Comptroller should have power to refuse a patent for lack of subject-matter, but the power should not extend outside prescribed limits, as to which suggestions are made. These limits are, in addition to the powers of refusal at present conferred upon the Comptroller, (a) that the invention is not a manner of manufacture, or otherwise of industrial significance, (b) that the invention does not contribute to the art any item of new knowledge. It is these proposals which will form the subject-matter of the second memorandum to be issued by the Committee.

#### Patent Courts

The Joint Chemical Committee recommends the setting up of a new Patents Court with the object of reducing the time spent in hearing cases, and hence the cost of litigation. It is suggested that patent actions, and all patent matters now dealt with in England by the High Court and the Patents Appeal Tribunal, should be heard by a special Patents Division of the High Court, consisting of three judges appointed from amongst barristers who have had patents experience, together with one, or two, lay members selected from a permanent panel of, say, six or eight technical and scientifically qualified persons. The technical panel should together cover the whole of the science and technology met with in patent spheres in the sense of being competent severally in their own spheres to understand such documents with the minimum of instruction by counsel and witnesses. The panel members should not undertake any other employment, and it is important that their status and emoluments should be of a nature to attract the right persons. The full Court should hear infringement and revocation proceedings, but other patent matters should be heard by a Court of one judge and one lay member, except that any such matter should be referable to the full Court at the direction or by leave of the Court. With a view to reducing the cost of patent litigation, solicitors and patent agents should have right of audience; but not of appeal, to the House of Lords.

The Committee makes no suggestion as to the form of relief given when the patent is found to be infringed, but dissents emphatically from the proposal that an infringer should be entitled to a licence on terms except in circumstances which are specified. In any action for infringement of a patent, the defendant should be entitled to plead abuse of monopoly as defined in the present section of the Act dealing with the subject, and if this plea is successful the Court should have power to apply any of the remedies provided in that section, including the grant to the infringer of a licence dated as from the date of the earliest infringement or subsequently, and on any terms and conditions the Court considers proper. The only circumstance in which the infringer might properly be granted a licence on terms are where *laches* is proved against defendant (e.g. where undue and unexplained delay between knowledge of the infringement and issue of the writ may be assumed to arise from the plaintiff's desire to increase the damages awarded). A plaintiff who is willing to delay issuing the writ in order to accumulate damages, must be assumed willing to exchange his exclusive rights for a royalty payment.

#### Member's Dissent

One of the four members of the Committee who were nominated by the Association of British Chemical Manufacturers failed to subscribe to the Committee's views on the endorsement of all patents "Licences of Right" and the extension of the powers of the Comptroller to consider subject matter. He was Dr. G. H. Frazer, representing the Therapeutic Research Corporation of Great Britain, Ltd. Dr. Frazer contended that by combining a patent pool with a cartel arrangement, the power of the latter might be caused to reinforce the power of the purse, so that absolute monopoly could be achieved, however gross the exploitation of the public. All licences under patent should not merely be registered but the full documents should be open to public inspection, and all patents should be endorsed "Licences of Right," but the endorsement should be effective, say, three years from the date of filing the complete specification. This would encourage the patentee to get his product on the market as quickly as possible, and thus give him a continuing advantage which would be of value to him so long as his product was competitive in price and quality with those of any subsequent entrant into the field. Editorial, p. 431.

## PHARMACEUTICAL SOCIETY OF IRELAND

THE Council Chamber at 67 Lower Mount Street, Dublin, was filled to capacity on October 9, when the sixty-ninth annual meeting of the Pharmaceutical Society of Ireland was held, the president (Mr. C. J. Cremen) in the chair. The meeting was rated one of the most successful held in the history of the Society. After reading apologies for absence from Mr. P. F. McGrath, Miss O'Loughlin, Mr. T. Connolly, and Mr. M. J. O'Rourke, THE PRESIDENT read the report of the scrutineers on the recent election, which showed that of 758 ballot papers posted 579 were returned, while one paper unsigned had been rejected. The result of the election was as follows: F. X. Meagher, 440; P. J. Fullam, 431; P. F. McGrath, 421; G. C. O'Neill, 383; N. A. McKane, 379; Maurice Power, 373; Sir T. Robinson, 352; D. W. P. Boyd, 333; M. J. Kieran, 278; Dr. W. Power, 236; and the president declared the first seven duly elected. Eleven voting papers were received too late for inclusion in the count.

### Council Retirements

THE PRESIDENT said it was encouraging to have such a representative gathering, considering transport difficulties. Some members had come long distances, including their old friend, Mr. Fred Storey, from the Six Counties. In a reference to the recent election, he said four vacancies had been created by resignations from the Council. Miss Flood's decision had left members with no lady representative, a position which, he was sure, all would deplore. Lady chemists had done trojan work in connexion with the Benevolent Fund and other pharmaceutical organisations. Mr. Costello, Galway, found it difficult to attend meetings owing to his many and varied responsibilities. Mr. Lester, one of the Cork representatives, also left a chair vacant, and he hoped that within a short period Cork city would send another gentleman of the same high integrity and ability. Mr. Fitzpatrick, after his long years of service to pharmacy on the Council, certainly deserved members' best wishes on his retirement. The lack of interest shown by the druggists in the Society (Associate Druggists being only twenty-eight out of a total of 198 qualified druggists) was responsible for the failure of their two candidates in the election. He would like to pay tribute, on his own behalf, and on that of his colleagues, to Mr. Boyd and Mr. Kieran for their valuable and conscientious work for years; certainly, the druggists could not have had more able or distinguished representatives.

### Successful Candidates

"I now come to the successful candidates. We are all delighted to have Sir Thomas Robinson with us again. Mr. Meagher, Mr. McGrath and Mr. O'Neill have already won their spurs in our sister organisation, the Irish Drug Association, and will be of invaluable help with their experience. Mr. Fullam, Mr. McKane and Mr. Power are particularly welcome as new members from the provinces. It is essential to

have a reasonable balance between city and country representation, so that the problems confronting all our members may be sympathetically dealt with."

### Limitation of Entrants

Membership this year was again a record, at 731 against 709 in the previous year, he said. Pharmaceutical chemists numbered 1,616 against 1,575, a net increase of forty-one. Chemists and druggists totalled two, as before, and registered druggists totalled 449, against 450. Eighty-two of the latter were now pharmaceutical chemists, and 116 were qualified pharmaceutical chemists in the Six Counties. Associate druggists were twenty-eight, as in the previous year, and qualified assistants numbered 985, an increase of fifty-one. Of these, 571 had since qualified as pharmaceutical chemists. Preliminary registrations were 159 against 148, or an increase of eleven. "Here we arrive at what is considered one of our major problems facing pharmacy—this continued overcrowding of our profession." For some years past, the president in his address had emphasised this fact, yet the number of apprentices increased. Of all the professions in Eire he believed pharmacy was the only one that could directly control the numbers entering. A student had the right of entry only through the channel of apprenticeship with members or licentiates. Most of the other professions were supplied through the Universities, irrespective of saturation point. Why was it that the Society had not the co-operation of its members in this vital matter? Perhaps one reason was that, in stressing the danger, the Council had failed to formulate a constructive policy. His predecessor (Mr. John Gleeson) had referred to the fact that the Council tried to put through a regulation limiting members to one apprentice to each shop, but this had been turned down as *ultra vires* by the Department of Justice. Counsel's opinion had been taken and the proposed regulation sent forward again, but with no better result. Then the treasurer (Mr. Cahill) had had an interview with An Taoiseach (the Prime Minister). Mr. de Valera's reply to the representations had been that the matter was entirely an internal one for the Society, and in fact he referred back the whole problem to members to solve for themselves. "I have been considering recently if anything could be done in this matter, and that is why I am stressing this question in my remarks here to-night. Had we put before our members a scheme in which they could co-operate with us, perhaps we might have got better results. For that reason I am suggesting to you a new line of approach to the problem. Is it possible to get together a representative body consisting of (1) members of the Council; (2) members of the I.D.A. executive; and (3) a representative of each local association throughout the country, to go into this matter thoroughly, once and for all?" He would suggest to that body, if formed, that they should prepare a scheme roughly under



the following heads: (1) To give the profession the number of apprentices it could absorb each year; (2) local associations to accept responsibility in their own districts in arranging a rotational system. In this scheme each member of the Society would be consulted as to the number to be admitted, and in the fair placing of students. The new body, which he presumed could be subsidised by the Society, and perhaps by the I.D.A., could speak with authority. It could contact heads of schools and colleges, as well as parents, advising them of the number of vacancies, and the districts in which they arose. Chemists' children would, of course, have priority. Incidentally, such a course would put an end to the irresponsible conduct of a small minority who, even at present, had four to six apprentices. The details he had not attempted to work out, as he felt he would have fulfilled his purpose if, by speaking on the subject, he had stimulated a determination to profit by the present growing spirit of co-operation so evident during recent years. It would be a sad reflection on chemists as a professional body if they were to admit defeat in such a problem. They might have planners outside the profession pointing the way—a development all would deplore.

### Educational Changes

As members were aware, the Pre-registration examination would come into operation in July 1946. This was an educational adjustment made necessary by the modern advances in chemistry. Too much valuable time of the student was being taken up in elementary chemistry and physics, and, when this arrangement came into force, students would have an advanced course in chemistry covering modern requirements. A Pre-registration examination in both subjects had been compulsory since 1926 for both medical and dental students. He would like to refer to the formation during the year of the Students' Representative Council. This body had the approval of the Council, and was now firmly established. "It is, I think, generally agreed that an organisation such as this is very necessary. I can assure you that from my experience of their officers during the past year they are one and all a credit to their association with Irish pharmacy."

### Veterinary Preparations

Members were aware, said Mr. Cremen, of the action taken by the Council to safeguard the interests of its members in the sale of certain veterinary medicines. Some manufacturing houses had decided that veterinary medicines would be supplied to chemists only on the prescription of a veterinary surgeon. A committee had been formed by the Council, on which members of the I.D.A. executive gladly consented to act. Already one of the makers in question had agreed to withdraw the noxious ruling, and the committee was still in negotiation with the other firms concerned. Further comment at present was not advisable, except to restate members' determination to take any action necessary to safeguard their professional status.

Most members realised that the 1908 Act could only be changed by the legislature, and the Council had been assured that there was no hope of any changes in legislation during the war period. An approach had been made by at least one district Association to a County Commissioner, with reasonable results. Fuller particulars were not yet available. "I would like to congratulate on your behalf, and on my own, Mr. Loughman in his success in the recent Dail election. He has been very helpful in the past, and we know we can call on him should the need arise. Another chemist candidate, who would have been a very good friend, unfortunately for us failed to secure election. We had hopes that this time our Seanad (Senate) candidates might be successful, but in spite of all the hard work of our members, licentiates and students, we were again disappointed." It was well-nigh impossible for a professional body like the Society, said the president, to get representation on the Seanad under the present system of election.

### Benevolence

Mr. Cremen said he referred with a certain amount of awe, and with great admiration, to the Benevolent Fund dance committee under its able chairman (Mr. Con. Collis). The success the committee had achieved was astounding, and besides giving the Society a social function of the first order, it had given the Benevolent Fund the fine sum of £320 14s.

The Consultative Committee's report has been considered by the Council, and certain clauses had been referred back for reconsideration or redrafting. The Committee had not met recently, as it was thought wise to await the Vocational Commission's report before proceeding further.

"In conclusion, I wish to pay tribute to Mr. Whelehan (vice-president), Mr. Cahill (treasurer) and to all my colleagues on the Council, for their assistance and co-operation during my year of office; to Mr. Kerr for his guidance and help, to Miss Hyland for her courtesy, to our Press representative (Mr. Hugh Smith) for his capable and accurate reports, and to THE CHEMIST AND DRUGGIST and "The Irish Chemist and Druggist" for the generous way they have treated us in these times of severe paper restrictions." (Applause.)

### Irish Drug Association Policy

MR. LYALL G. SMITH (president, Irish Drug Association), moving a vote of thanks to the president for his address, said that the I.D.A., in looking after the trade side, tried wherever possible to have chemists' lines confined to chemists. In its campaign against the sale of poisons by unauthorised persons, it was nobly backed up by the Society. Both the Society and the I.D.A. had duties to the public. It was the Society's duty to see that the compounding and dispensing of medicines were carried on only by persons qualified to do so, while the I.D.A. had the duty of seeing that those medicines were obtainable at uniform prices and at all reasonable times. The president had come

out rather strongly on the question of apprentices, and had mentioned the I.D.A. in connexion with it. Recently the two bodies had formed a joint committee to deal with the sale of veterinary medicines. This was a matter of mutual interest, because on the one hand it affected the professional status of the pharmacist, and on the other it affected the I.D.A., owing to the method of trading adopted by certain manufacturers. All members were pleased to learn that the matter had been straightened out with one old firm in the trade, and they hoped to make further progress. Up to the present the I.D.A. had not interested itself very deeply in academic matters. They left that to the Council, which was the body empowered to deal with such issues, and which dealt with them in a very able manner. For various reasons the I.D.A. always felt it was better to stick to matters relating to the trade and economic side of the business. They would have to give considerable thought to this question of linking up the various local associations in an academic matter of this nature.

### Apprenticeship Anxieties

The I.D.A. had fourteen local associations, each with a committee, which were very worried about the apprenticeship question. In the first few years apprenticeship was more of a professional and academic nature, but later on it became economic. In present conditions the person concerned must afterwards find suitable employment as a qualified man within the twenty-six counties. To do so he must either open a pharmacy for himself—and openings were rather difficult to get—or look for employment as a qualified man with one of the larger firms. If the I.D.A. could help in any way to improve the economic status of these men he was sure they would be delighted to do so. The president had referred to the black sheep who took four and six apprentices. In this matter the I.D.A. had tried for some years past to help to limit the number of apprentices to one for every qualified person. Reference had also been made to the great work put into the Benevolent Fund by Mr. Collis and their vice-president (Mr. O'Neill). The I.D.A. had tried to help in any way it could, and the only way it could help was by taking as many tickets as possible for any function held. Reference had been made by the president to planners from outside the Society. The pharmaceutical profession was one of the most highly organised in every section of it, and if there was any planning to be done he thought they had the organisation at their finger-tips to work out any such plans. He had great pleasure in moving the adoption of the president's report. (Applause.)

MR. D. J. NUGENT, seconding, said he had known that if any difficulties cropped up during Mr. Cremen's year of office they would be dealt with properly. Under his chairmanship the Council had handled in masterly fashion any difficulties that arose, and he wished to thank the president for the good work he had done.

THE PRESIDENT, replying to the motion, which was carried with acclamation, said he had concentrated so much on the apprenticeship

question because during the past four years over 600 apprentices had come into pharmacy. The writing was on the wall, and unless pharmacists did something they would probably face chaos. (Hear, hear.)

MR. P. A. BRADY suggested that the portion of the president's address dealing with the apprenticeship problem should be circulated to each member individually, in addition to what had appeared in the trade Press; so that the position would be brought home to all concerned.—MR. G. C. O'NEILL seconded, and the proposition was unanimously agreed.

MR. E. MACMAHON said the economic side of the problem would have to be tackled. He suggested that chemists should close for the dinner-hour except perhaps in the centre of the City, where there were large staffs.—MR. GEORGE BATT said that in his area of Sandymount chemists, by agreement, closed for an hour-and-a-quarter for dinner, and the agreement had been loyally carried out by everyone.

MR. FRED STOREY, Belfast, said he had been asked by the president of the Northern Society to convey his good wishes to the Pharmaceutical Society of Ireland. He (Mr. Storey) looked upon it as an annual fixture to come down to Dublin to meet his old friends at the Society's annual meeting. He had listened closely to the masterly way in which the president had dealt with the various problems confronting pharmacy in Eire. He was sorry to see some of his old friends drop out of the Council, but glad to see that the doyen of pharmacy (Sir Thomas Robinson) remained. The problem in the south was too many apprentices, but up north it was lack of apprentices. So many young people had gone into war industries it was a worry in the north to get apprentices at all, but when the factories closed down there would be a drift back to pharmacy. He had never seen such a big attendance at an annual meeting. At the first annual meeting of the Society he had attended fifteen had been present, and all sat round the table. He was glad to see so many men from the provinces elected to the Council, because the country problems were different from those of the city, and the country should have adequate representation. He congratulated all present on showing such a great interest in pharmacy. (Applause.)

### Treasurer's Report

MR. P. C. CAHILL, submitting his report as treasurer, said: "There is nothing very unusual about the accounts we have to consider to-night. They are more or less in keeping with those of the past eight or ten years. A few items call for particular comment, and other matters can be raised in general discussion." Total income amounted to £3,648, against £3,451 in 1943. The number of licentiates paying annual subscriptions increased each year during the past twenty years or so. In 1924 the income from this source was £624, in 1934 £905, and in 1943 £1,151. It was most satisfactory that the vast majority of licentiates practising in Eire contributed to the Society's upkeep. In Preliminary registration fees an increase of £67 over the previous year indicated a small increase in the number of



registered apprentices. In this connexion he had seen it suggested by an anonymous correspondent in one of the trade journals [Not THE CHEMIST AND DRUGGIST.—Editor] that the Council was not sincere in its attitude in the matter of apprentices. It was suggested that, while the Council publicly appealed to members to reduce the number of apprentices taken, it secretly hoped for the largest possible entry, so as to enable the Council to produce attractive balance sheets. Such a statement was nonsense and grossly unfair to the Council. If finance could solve the overcrowding problem members would, he thought, be prepared to make heavy financial sacrifices. The only notable decrease in revenue was in registration fees, the amount received under this heading being £763, or £117 less than in the previous year. This was accounted for by the fact that a smaller number of students had passed the Final examination. On the other side of the accounts expenditure was up a mere £9 on the previous year. Most items showed the small increase members might expect but, with one exception, they did not call for any special comment. The exception was the figure for general expenses, which was more than double that of last year. The principal items accounting for this were a valuation of the premises made at the beginning of the year, grants to the students' rugby and camogie clubs, a grant to the new students' representative council, and an increase in auditors' fees. The valuation of the premises had been approved at the previous annual meeting, and had a bearing on the balance sheet. Members would, he thought, agree that the Society was justified in doing everything possible to encourage those willing to organise recreational facilities for students. The treasurer of the students' representative council had arranged that his accounts should be audited each year by the Society's auditor. The Society finished up the year with what, in the ordinary way, would be a surplus of £1,178, against £992 in the previous year, but as they were depreciating their premises by £500, the result was a surplus of £678.

#### Advance Fees

The most outstanding item on the balance sheet on the liability side was £2,073, fees received in advance, the corresponding figure in the previous year being £1,444. This represented, in the main, fees paid in advance for the schools of botany, materia medica, pharmacy and chemistry, and included fees as far ahead as 1947. The booking by students of school places years in advance was getting completely out of control, and constituted a serious problem. The position had been reviewed by the Schools Committee recently, and certain recommendations drafted for consideration by the Council.

The balance to credit of the capital account at the opening of the financial year was £10,898. Add to that the surplus for the year under review and the total became £11,576. On the assets side there was approximately £850 cash in hand and on current bank account. At the beginning of each year the Council examined

the financial position, and any large surplus not required for ordinary expenditure was suitably invested. The same procedure would, he thought, be followed that year. An additional £2,000 had been invested during the year, and the Society's holdings now amounted to £9,591, with a market value of over £10,000. The final item he wanted to comment on was premises, which appeared in the previous year's balance sheet at £3,188. Members might recall that at the previous annual meeting they had approved a proposal to write down this sum. Provision at the rate of £500 had been made in this year's accounts, so that the premises now appeared at £2,688. The procedure of writing down would be continued in future years, though in smaller sums, until the premises appeared at approximately £2,000. Members would appreciate that, while a sale of the premises might realise £3,000, it might equally realise only £2,000. Mr. Cahill concluded by expressing appreciation to the registrar and Miss Hyland for the help they gave him in his capacity as treasurer.

Mr. W. C. CUNNINGHAM, proposing the adoption of the treasurer's report, said they would all agree that the writing off of £500 on the premises was a step in the right direction, because at some future date the Society might decide to extend the present premises, or move to a new place. The report was satisfactory, and showed the Society to be in a sound financial position.—MR. D. WARWICK, seconding, said the Council were to be congratulated on having Mr. Cahill at the head of their finances.

#### Benevolent Fund

The report was passed unanimously, and Mr. Cahill then, reporting on the Benevolent Fund, said the most obvious feature of the year's report was the Fund's indebtedness to Mr. Collis and the members of his committee for helping to achieve the largest income since the fund had been started. Out of a total income of £465, no less than £321 came from the committee. The balance of income was made up as follows: Subscriptions, £34; income from investments, £100; sundry receipts, £9. Expenditure was £168, and there was a balance of income over expenditure of £294. During the year the Council had invested £200, making the total investment £3,000, with a market value of roughly £3,300. Interest from this source was about £100 per annum. As in the previous year, the fund was administered by a joint committee of members of the Council and of the dance committee. It met at the beginning of each month, considered all applications received, and made appropriate recommendations to the Council. Last year the Society paid out £168, the largest in the history of the fund. Grants made had covered such things as illness, rent payments, funeral expenses, destitution due to unemployment, clothing, etc. The committee was most anxious that instances of people requiring the assistance of the fund should be brought to their notice. Sometimes the people involved hesitated to approach the Council, but members were free to sponsor such cases, and information would be regarded as confidential.

*(To be concluded)*

## TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency

### 28 Essex Street, W.C.2, October 18

GENERAL conditions in the London drug and chemical markets show no perceptible improvement over those recorded last week. Features of interest are lacking, and prices show a high degree of stability, changes amounting in most instances to only a few pence either way. A moderate business continues in PHARMACEUTICAL CHEMICALS, mostly in items required for immediate consumption.

While a few odd bales of CRUDE DRUGS are being regularly sold, general trade is of no great consequence. Prices, with one or two small exceptions, are about as previously quoted. Buyers of CAPE ALOES are anxiously awaiting further offers from the source, pending which no business is possible. BENZOIN is again shown at the higher figure recorded last week. ERGOT continues in short supply, with the price firm. No business in MENTHOL seems possible with Brazil at present. Good-testing Ceylon PAPAIN may now be obtained on spot. New prices for BEESWAX, operative since October 16, are announced; supplies continue to be available only through members of the Association of Merchant-Distributors of Beeswax, Ltd.

Conditions in ESSENTIAL OILS are unchanged. The list of essential oils imported by the Ministry of Food for distribution under the 1944 programme is again shown. A few oils outside the scope of the scheme may still be available, but high prices would be required. No further alterations have been notified in fixed oils.

### Pharmaceutical Chemicals

**BENZOIC ACID.**—Supplies are stated to be moderate. Price, 3s. to 3s. 6d. per lb., according to quantity.

**BORIC ACID.**—B.P. quality is quoted by makers as follows: Granulated, £70 per ton; crystal, £71; powder, £72. Packed in one-cwt. bags, delivered carriage paid in Great Britain in one-ton lots and upwards. Commercial grades, £8 per ton less.

**CREAM OF TARTAR.**—Controlled prices for the smaller quantities are as follows: Less than 7 lb., 2s. 6d. per lb.; 7 lb.—14 lb., 2s. 9½d.; 14 lb.—28 lb., 2s. 9d. For the full schedule, see C. & D., May 20, p. 553.

**LACTATES.**—Prices are unchanged as follows: LACTIC ACID.—Six-winchester lots, 2s. 6d.

per lb.; smaller quantities, 2s. 11d. CALCIUM LACTATE.—Small quantities, 2s. 3d. per lb. CALCIUM SODIUM LACTATE.—Powder, small lots, 3s. 5d. per lb.; 14-lb., 3s. 2d.; 28-lb., 3s., granular, one penny per lb. extra.

**PHENOLPHTHALEIN.**—No change in makers' prices, as follows: Less than 7 lb., 4s. 6d. per lb.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d.; 1 cwt., 4s. 2d.

**PILOCARPINE.**—Makers quote at the following rates per oz.: Base, 1 oz., 27s.; 4 oz., 21s. 3d.; 8 oz., 20s. 9d.; 25 oz., 20s. 3d. Nitrate, 1 oz., 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

**SANTONIN.**—Home trade prices are as follows: 10 kilos and over, £62; not less than 5 kilos, £63; 2-4 kilos, £64; 1 kilo, £65; 500 gm., £66; 250 gm., £67; 100 gm., £68; less than 100 gm., £69 per kilo. Carriage paid in United Kingdom.

**TERPINEOL.**—Pure medicinal quality is available at from 3s. 3d. to 4s. per lb. for antiseptics of the chloroxylenol type.

**VANILLIN.**—The agreed prices are unchanged as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d. per lb.

### Crude Drugs

**ALOES.**—Buyers are anxiously awaiting further offers from South Africa.

**ARECA NUTS.**—Spot price of wormy material is steady at 95s. per cwt., ex store.

**BALSAMS.**—Peru is firm at 7s. 9d. per lb.; Canada is quoted at 9s. 9d. to 10s.; Tolu and Copaiba are unobtainable.

**BENZOIN.**—Sumatra, £50 per cwt. paid, with no further supplies available at that figure.

**CARDAMOMS.**—Aleppy greens may be obtained on spot at 5s. 6d. per lb.; Aleppy seed, 6s. 6d.; split seed, 5s. 6d.

**CHAULMOOGRA.**—*Hydnocarpus*, spot, 1s. 6d. per lb., in tins in cases.

**CLOVES.**—Zanzibar, firm on spot at 1s. 4½d. per lb.; no other varieties are offered.

**COCONUT (DESICCATED).**—Ministry of Food Order controls the price at 49s. per cwt.

**DIGITALIS LEAVES.**—Unchanged. Portuguese leaves, 140s. per cwt.; English leaves, 2s. 6d. per lb.

**DRAGON'S BLOOD.**—Dull Zanzibar drop continues nominal at £25 per cwt.

**ERGOT.**—Good-quality material would probably not be available on spot at under 6s. 6d. per lb.

**GUM ACACIA.**—Kordofan cleaned sorts, firm on spot at 80s. per cwt.; bleached, spot, 185s. Talha, cleaned, 50s. per cwt., landed.

**JABORANDI.**—Stocks are small, but price is unchanged at 52s. 6d. per cwt. for spot supplies.



**KAMALA.**—Material yielding 6 per cent. ash may still be obtained at 2s. 6d. per lb.

**MENTHOL.**—No business seems possible with Brazil for the time being.

**MYRRH.**—Fair-quality Aden sorts is firm on spot at £20 per cwt.

**NUX VOMICA.**—Cochin, spot, steady at 12s. 6d. per cwt.; shipment, 35s., c.i.f.; Cocanada seed, shipment, 32s. 6d. per cwt., c.i.f.

**PAPAIN.**—Good-testing Ceylon is available at 8s. 6d. per lb.

**PIMENTO.**—Sellers on spot at 1s. 4d. per lb.

**QUASSIA.**—Spot steady at 37s. 6d. to 40s. per cwt., according to quantity.

**QUILLAIA BARK.**—Crushed or cut, spot, 95s. per cwt.; natural, 75s.; shipment, 65s., c.i.f.

**RHUBARB.**—Rough-round and flat high-dried quoted at 12s. to 12s. 6d. per lb.

**SEEDS.**—Quiet conditions obtain, with quoted values unchanged. **CORIANDER.**—Indian, 75s. per cwt. **CUMIN.**—Maltese, spot, 105s.; Indian, 100s. **DILL.**—105s., ex wharf. **FENNEL.**—Offered at 85s. **FENUGREEK.**—May be had at 60s. **MUSTARD.**—Controlled prices are unchanged.

**SENNA.**—Alexandrian medium pods are at 4s. per lb.; Tinnevely, manufacturing grade, 6d. to 6½d.; hand-picked, 8½d. to 1s.; broken Alexandrian leaves, 1s. 3d. to 1s. 4d.; siftings, 1s. 2d.; Tinnevely, No. 1, 9d. to 10½d.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d.

**SQUILL.**—Portuguese bulb is unchanged on spot at 75s. per cwt.; Indian is at 60s.

**STRAMONIUM LEAVES.**—East Indian leaves may be obtained on spot at 80s. to 85s. per cwt.

**STROPHANTHUS SEED.**—Spot quotations for 100 per cent. Kombé seed are steady at 7s. to 7s. 6d. per lb., according to quantity.

**TRAGACANTH.**—Medium grades are quoted as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £40; brown leaf, £30; red-and-brown leaf, £25; red leaf, from £20; hoggy, £12 to £15.

**TURMERIC.**—Steady at 60s. per cwt. for sound-quality Madras finger.

**VALERIAN ROOT.**—Indian root is quoted on spot at 100s. per cwt.

**WAXES.**—**BEES'.**—Supplies continue to be available only through members of the Association of Merchant-Distributors of Beeswax, Ltd., at the following prices per cwt., delivered at store U.K., effective from October 16, for ton lots: Madagascar crude, 205s. to 230s.; other sorts of crude, 238s. to 245s. (Calcutta sorts unavailable); British refined, 275s. to 305s.; British bleached slabs, 300s.; British bleached discs, 320s.; Lots of under one ton, at premiums as follows: 10-20 cwt., 2s. 6d. per cwt.; 5-10 cwt., 5s. per cwt.; 1-5 cwt., 10s. per cwt.; under 1 cwt. at premiums as arranged by Association members at their discretion. **CARNAUBA.**—Fatty grey, 455s. to 475s. per

cwt., ex store, in minimum one-bag lots; shipment, 400s., c.i.f.; Primeira, 530s. to 550s. per cwt., ex store; shipment, 460s., c.i.f.; medium yellow, nominal; shipment, 450s., c.i.f.; chalky grey, nominal; shipment, 380s., c.i.f. (c.i.f. prices include ½ per cent. W.R.I.). **CANDELILLA.**—Under 1 ton, 220s. per cwt.; 1-5 tons, 217s. 6d.; 5 tons and over, 215s., ex store. **OURICURI.**—Spot, 300s. to 330s. per cwt., as to quality; shipment, 285s., c.i.f.

## Essential and Expressed Oils

**ANISE (STAR).**—Price is nominal at about 160s. per lb.; supply position is unchanged.

**CASTOR.**—Official quotation for "firsts" is unchanged at £92 per ton, and for "seconds" at £90, both naked ex works, in bulk quantities.

**CLOVE.**—English distillers quote at 12s. 6d. to 13s. per lb., according to quantity.

**COCONUT.**—Refined deodorised is officially priced at £49 per ton, and refined hardened deodorised at £53, for bulk supplies.

**NUTMEG.**—English-distilled oil is quoted at 35s. per lb., with lower prices for quantities.

## Essential Oils Control

THE following is a schedule of prices to users in original packages for oils imported by the Ministry of Food for distribution under the 1944 programme:—

Basil .. ..	25s. 8d., plus duty, 2s. 3d.
Bergamot .. ..	23s. 10½d.
Camphor .. ..	2s.
Caraway .. ..	20s. 9½d., plus duty, 1s. 10d.
Cedarwood .. ..	3s. 8½d., plus duty, 3½d.
Clary sage .. ..	129s. 1½d., plus duty, 11s. 6d.
Coriander .. ..	128s. 10d., plus duty, 11s. 6d.
Fennel .. ..	11s. 6d., plus duty, 1s.
Lemon, cold-pressed, or Sicilian .. ..	17s. 4½d.
Lemon, distilled .. ..	11s. 9d.
Lime .. ..	47s.
Nutmeg .. ..	22s. 8d., plus duty, 2s.
Orange, bitter .. ..	18s. 6½d., plus duty, 1s. 7½d.
Peppermint .. ..	37s.
Tangerine .. ..	33s.
Vetivert .. ..	38s. 4d., plus duty, 3s. 5d.
Wormseed .. ..	15s. 3½d.
Ylang-ylang .. ..	15s. 6½d., plus duty, 1s. 4d.

**"C. & D." Quiz No. 39.**—The answers to the questions on page 427 are: 1. Dryden. 2. Runge, 1834. 3. A. W. Wheatley, 1876. 4. From the French, "jardin." 5. On an Assyrian tablet, now in the British Museum. 6. Salford, Lancs. 7. Potassium manganate. 8. Tungsten; or the ore from which tungsten is obtained. 9. 1530, in the *Bermannus* of Agricola. 10. Antimony oxychloride.

## CORRESPONDENCE

### Authority to Negotiate

SIR,—Surely Mr. Granville Shaw is, not suggesting (*C. & D.*, October 7, p. 390) that it is not the duty of the Pharmaceutical Society to consider our present problems fundamentally from the standpoint of an improved pharmaceutical service! Has Mr. Shaw any doubt in his own mind that, if a plebiscite of the Society's members were taken on this question, the vast majority would support the Society? If we continue to place the commercial side above the professional we shall have to face, at no distant date, the loss of all professional recognition. The time has come when we should claim our rightful place in the public health services of the country, and we should take courage from the present Government, which has put forward its social scheme without considering overmuch the susceptibilities of vested interests. Would your correspondent explain to us why purely financial groups should be represented on the joint committee, which, as I understand it, is working out the details of a pharmaceutical service for the nation? These groups are not pharmacists, indeed the ownership is mainly non-pharmaceutical. If Mr. Granville Shaw's intention was to put in a plea for the pharmacist employees or the qualified branch managers of these groups to be considered, I would agree with him.

Middlesbrough. A. W. HARRISON.

### Employee Organisation

SIR,—Without unity in our ranks based on our common qualifications, pharmacy, in a professional sense, can make little or no headway. We have in pharmacy too many employee organisations, and the clearly-worded statement issued by the Association of Scientific Workers (*C. & D.*, October 14, p. 416) should be read and pondered over by every employee pharmacist. It is realised that the most that trade unions can do for pharmacy is to attempt to get for every employee the wage which the best employers are willing to pay. The A.Sc.W. is not so much concerned about the pharmacist in a purely commercial sense. The organisation accepts him for what he undoubtedly is, by virtue of his having passed a professional examination. The purpose of professional organisation is to provide a clear line of demarcation between the qualified and the unqualified. Apart from the National Pharmaceutical

Employees' Union, I think that the A.Sc.W. is the only organisation which is prepared to accept as members all employee pharmacists irrespective of how engaged. The Association having firmly declaimed its policy, I suggest that the time is now ripe when the N.P.E.U. could usefully merge with it. I further suggest that a united appeal would meet with the support and approval of the great majority of employee pharmacists.

Saltburn-by-Sea. K. F. WARING.

### Essential Oils Control

SIR,—In the market reports of certain journals there is published a list of a few essential oils which are described as "Controlled Oils," together with market prices for what are sometimes called "free" oils. We find that this gives the impression, particularly abroad, that only those oils listed as controlled are the subject of control, and that all other oils are "free." This is an entirely erroneous impression, to which we feel we should draw your attention. The scheme governing the importation and distribution of essential oils, which was issued under the authority of the Ministry of Food and came into operation on July 1, 1943, applies to all essential oils imported since that date. Some oils, in particular those received from the U.S.A. and Sicily, are imported by the Ministry, and in the case of these oils it is possible to calculate exactly the price to be paid by the user, and prices for these oils have been published. A new and revised list has just been issued. In the case of oils imported under licence, however, it is not possible to lay down the exact price to the user, because this is affected by various factors, notably marine and war insurance, which cause slight variations. It is not, therefore, possible to publish prices for these oils, but exactly the same measure of control exists as in the case of oils imported by the Ministry. When the control came into operation there were in this country certain stocks of essential oils imported under licences which did not impose any restrictions. These stocks were not brought within the scope of the scheme and are, therefore, free of control; they can therefore be sold on the open market, and in such cases two prices may exist for the same oil.

Essential Oils Advisory Committee,  
ARTHUR T. WHEELER,  
London, E.C.3. Chairman.



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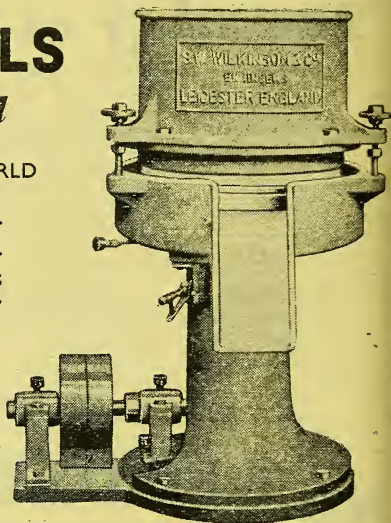
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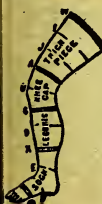
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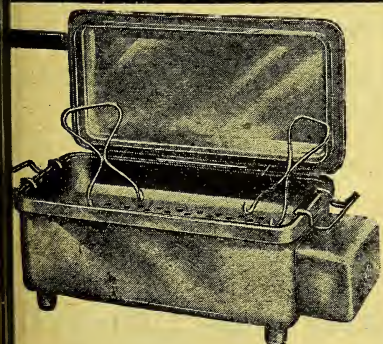


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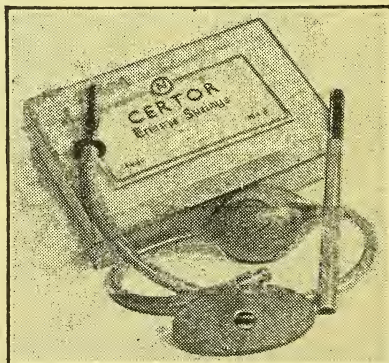
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# The CHEMIST AND DRUGGIST

## SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

OCTOBER 21  
1944

28 ESSEX STREET, LONDON, W.C.2

Supplement Advertisements must be prepaid and should reach us not later than FIRST POST WEDNESDAY of week of issue. Box Office numbers 1/- extra. Late advertisements will be held over to following week.

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### EXPORTS ARE OF NATIONAL IMPORTANCE

Manufacturers without their own export Dept. but desirous of participating in Post War Foreign Trade should communicate with CDB/333, C. & D. London Office.

## SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

### Employment of Women (Control of Engagements) Order 1942

With certain exceptions, women over 18 and under 41 years of age seeking Employment and Employers seeking to engage such women are now required to do so only through the local office of the Ministry of Labour and National Service or an approved employment agency.

### RETAIL (HOME)

A LARGE Yorkshire Departmental Store have a vacancy for a fully qualified Chemist for their Patent Medicines Department. No dispensing, but a large and busy trade. No evening or week-end duties. Send full particulars and salary required to 582/851, C. & D. London Office.

ASSISTANT (Unqualified) with all-round experience required at once for brisk Counter, Dispensing, etc. No Sunday duty, half-day Wednesday. Good salary for capable applicant. Apply with full particulars, age, salary, experience, etc. Harold Miller, Ltd., 98 High Street, Cheltenham.

BAKEWELL, Derbyshire. Qualified Branch Manager or Manageress required for good-class easily-worked pharmacy. Adequate staff. Permanency. 583/890, C. & D. London Office.

BERKSHIRE. Qualified Dispenser/Assistant required for busy old-established Family Business. Other staff employed. Henry Davis (Newbury), Ltd., 37 Northbrook Street, Newbury.

BIRMINGHAM. Qualified Branch Manager or Manageress required for suburban family business. Permanency. Good prospects. 583/891, C. & D. London Office.

BUXTON. Manager or Manageress required for Drug Store (due to call up). Comfortable post. Health resort. 583/888, C. & D. London Office.

CAMBRIDGE. Qualified and Unqualified Assistant required for dispensing and busy retail business. Please state age, experience and salary required. G. Peck & Son, Ltd., 9 King's Parade, Cambridge.

DISPENSER-Secretary-Book-keeper wanted early November. Apply Dr. Thorn, 28 College Road, Harrow, Middlesex.

**LONDON CO-OPERATIVE CHEMISTS, LTD.,** require qualified Pharmacists for progressive positions. Particulars, which will be treated with confidence, should state in the first instance full details as to experience, etc., and be addressed to: Chief Pharmacist, 54 Maryland Street, Stratford, London, E.15.

**LEEDS.** Assistant Chemist required for Central Pharmacy. Male or female. Not liable to transfer or call-up. Good wages and working conditions. Apply Secretary, Leeds (Industrial Co-operative Society, Ltd.), 10 Albion Street, Leeds. Endorsed "Pharmacy."

**MANAGER** required for duration. West Country town. Good salary, ample assistance. 583/881, C. & D. London Office.

**MANAGER** to take charge Pharmacy, South London. Exempt or over military age. Living accommodation available. 583/880, C. & D. London Office.

**MANCHESTER.** Qualified Branch Manager or Manageress required for suburban family business. Living accommodation in about a month's time. 583/889, C. & D. London Office.

**OLDHAM CO-OPERATIVE CHEMISTS, LTD.,** King Street, Oldham, invite applications from Qualified Pharmacists for employment as Branch Manager.

**ORRIDGE & CO.,** Employment Agency, Columbia House, Aldwyck, W.C.2, invite inquiries from all employers seeking Qualified Staff, especially for London and Southern Counties, excluding women between the ages of 18 and 41. Terms on application.

**PHARMACISTS** (qualified) required for Chain Stores in each of the following: Oxford Street (London), Erdington, Birmingham, Manchester, Barnsley, Chester, Scunthorpe, Blackpool. Applicants must have been born prior to 1892 other than in the case of married women with a child under 14 years living with them. Adequate salary and reasonable hours. Apply, giving age, qualifications and full particulars of experience to Personnel Manager, Ref. S.H., Littlewoods Mail Order Stores, Ltd., Waterloo Buildings, Cases Street, Liverpool, 1.

**QUALIFIED Manager** wanted. No Sunday duty. One Dispenser and two Assistants kept. Please send full particulars and salary required to J. Benton, c/o D. S. Benton, 78 High Street, Ramsey, Huntingdonshire.

**QUALIFIED Assistant** required; exempt military service; up-to-date knowledge of recent pharmaceutical developments. North-east coast. 583/903, C. & D. London Office.

**REQUIRED** immediately Unqualified Assistant for family dispensing business. Apply S. A. Sheard, 9 Leeds Road, Harrogate.

**THE YORK CO-OPERATIVE CHEMISTS SOCIETY, LTD.** invite applications from fully qualified persons not over the age of 45 years for the position of Superintendent Chemist. Permanent position. Superannuation Scheme in operation. Position becoming vacant due to retirement. Present sales £342 per week. N.U.C.O. Scale of wages (N.E. Section) at present £10 2s. 6d. per week including bonuses. Form of application to be obtained at the Society at 22 Railway Street, York, and to be returned not later than November 10, 1944. Endorse envelope "Chemist."

**WOMAN** Pharmacist capable taking charge, London branch pharmacy. Living accommodation if desired. 583/879, C. & D. London Office.

**UNQUALIFIED Assistant**, either sex, required for Dispensing, or would suit over age, qualified. No half-day, holiday or Sunday duties. Congenial progressive post. Good salary. Every consideration given to right person. Land, 448 Kingsland Road, London, E.8. Clissold 9500.

**UNQUALIFIED Assistant** required for good-class suburban business. No half-day or Sunday duties. Dispensing and Counter. Apply with usual particulars to Arthur Gray, Ltd., 5 High Street, Barnes, London, S.W.13.

## WHOLESALE

**A LONDON** Essence manufacturing firm with plant and premises available, contemplating extending their manufacturing activities in the Chemical and Pharmaceutical trade, seek gentlemen with full knowledge of trade and initiative to take full charge. Directorship offered to the right person. Please write full particulars in confidence first letter 583/899, C. & D. London Office.

**ANALYTICAL Chemist** required by London Manufacturing Chemists, working under Essential Works Order. Practical works experience general routine analysis and alkaloidal assays, drugs, including opium, essential. Reply, giving particulars of experience, salary, etc., to 578/70 C. & D. London Office.

**BERKSHIRE.** Experienced Unqualified Manufacturing Assistant (single) required immediately for small scale Manufacturing Laboratory. Permanent Full particulars of experience, etc., in first instance please. Hickman & Metcalf, Ltd., Market Place, Newbury.

**FIRST-CLASS Representatives** with good connexions amongst Chemists, Stores, etc., required to carry Proprietary lines. Send fullest particulars, confidence, stating area covered, etc. Commission basis. Our Representatives have been informed about this advertisement. 581/829, C. & D. London Office.

**FIRST-CLASS Whole-time Sales Representative** (3) to call on Wholesale and Retail Chemists and Allied Trades, Stores, etc., required by highly organised and successful manufacturing and distributing Company handling only first-class products several nationally advertised and all in good demand for the following counties: (A) Lancashire, Cheshire, North Wales; (B) Notts, Derby, Leicester, Lincoln and Northants; (C) Warwick, Worcester, Stafford and Shropshire. Strong personal connexion essential to carry an advantage, extensive existing connexion handed over after trial. Applicants must have keenness and initiative. The positions carry good salaries and expenses and commission with possible earnings £1,000 per annum and provide excellent opportunity of building a permanent successful career for the right men. Address in first instance, giving full details of previous experience, age and when available, strictest confidence to 583/885, C. & D. London Office.

**LABORATORY Assistant**, exempt or over military age. City. 583/877, C. & D. London Office.

**PROGRESSIVE Pharmaceutical manufacturer** have Vacancy for enterprising development Chemist to tackle experimental Compounding of formulations. Write, stating details of experience, salary desired, and when available, to 582/8 C. & D. London Office.

**MEDICAL Representative** with connexions and doctors and chemists in London and suburbs required by progressive firm. Excellent prospect. Write stating qualifications, age and salary required 583/886, C. & D. London Office.

**REPRESENTATIVE** required able to carry extensive non-competitive all year round toilet preparation to chemists, etc., manufacturing under Toilet Preparations (No. 3) Order. Extraordinary profit commission. BCM/Bonheure, London, W.C.1.

**REPRESENTATIVES** wanted to cover territories of Midlands and Yorkshire, to carry out preparations on commission basis. Excellent sell lines. Write 583/895, C. & D. London Office.

**REPRESENTATIVES** required now by Manufacturing Chemists. First-class establishments connexion with retail chemists essential; so ethical experience and connexion with Hospital desirable. Only high-grade men required. Permanent with excellent post-war prospects. One other person not objected to. Write 583/900, C. & D. London Office.



**REPRESENTATIVES** required calling on Wholesale Chemists and Sundriesmen to carry line of great demand. Connexion with good houses essential. Generous terms. 583/907, C. & D. London Office.

**IX additional Agents** required for a high-class range of Domestic Veterinary Medicines, products being sold only through Chemists. Generous commission terms and every assistance given. Representatives also wanted for other lines to Stores, etc. applies to 583/909, C. & D. London Office.

**SALESMAN** wanted for nationally advertised high-class toilet preparation for provincial areas, other wages plus commission plus expenses if exclusively carrying our line, or maximum commission otherwise. State experience and present line. Write R. H. Wings, Sales Manager, 107 Latymer Ct., E.6.

**KILLED Tablet-maker** required. Write in the first instance, giving details of previous experience to the Personnel Officer, Allen & Hanburys, Ltd., Ware, Herts.

**F. BRISTOW & CO., LTD.**, Colindale, London, N.W.9, Toilet Soap and Perfumery Manufacturers, require Representative for their Scottish Territory. Applicants must have a thorough knowledge of the Trade, Territory, and be resident in Glasgow district. Please give full particulars as to age, etc., including selling record covering the past 5 years. Excellent post-war prospects for the right man.

**TOILET SOAP.** Foreman wanted with thorough knowledge of Toilet Soap Production. Small factory at Hackney. Permanent post. Write full details in confidence, and salary expected, to J.M.B., Muesse Laboratories, 28b Chatham Place, London, E.9.

**WANTED**, by Manufacturing Chemists, Works Manager not over 35. Must be thoroughly experienced in all branches of Manufacturing, and capable of controlling Staff. Apply with full particulars of previous experience. 583/896, C. & D. London Office.

**WANTED**, by Manufacturing Chemists, young qualified M.P.S. or Ph.C. for Manufactory Dept. Apply giving previous experience. 583/897, C. & D. London Office.

**WANTED**, by Manufacturing Chemists, qualified Pharmacist to take charge of Ampoule Dept. Apply giving experience. 583/898, C. & D. London Office.

**WORKS Chemist** (qualified preferable) wanted by well-known established concern. Experienced in the manufacture of cosmetics, etc. Progressive position, good salary to commence with. Full details, which will be treated in strict confidence. 583/893, C. & D. London Office.

## SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

### RETAIL (HOME)

**EXPERIENCED Pharmacist** seeks sound Situation. Yorkshire or near preferred; succession obtained; available. State full particulars, either permanent, etc. 583/901, C. & D. London Office.

**M.P.S. (31);** exempt N.S.; experience two London hospitals. Desires permanent progressive hospital appointment. London area only. Be approximately one month. 583/902, C. & D. London Office.

**MART Lady Assistant** requires position as Counter Hand, Window Dressing and Stocking, age 37. Excellent references, 23 years' experience. Miss D. Page, 132 Langham Court, Eke Road, Raynes Park, S.W.20.

## WHOLESALE

**A SUCCESSFUL Working Director, Pharmacist**, is prepared to offer expert services to progressive company of repute. Sound experience representations manufacturing, buying, all managerial duties, work, warehouse and office. Four-figure salary required. All inquiries accepted in strict confidence. 583/905, C. & D. London Office.

**FACTORY Manager.** Advertiser, ineligible, seeks position. Experienced in the manufacture of Proprietaries, including compressed tablets, toilets, perfumes, etc. Accustomed to the control of labour and staff training. 581/830, C. & D. London Office.

**GENTLEMAN, 36**, seeks position as Representative experienced in retail and wholesale pharmacy, also surgical instrument and electromedical apparatus. Conversant with biological and medical products. 582/876, C. & D. London Office.

**MANAGER-BUYER**, wide experience sundries, surgical, dressings, seeks progressive position, offering post-war development. Highest references, exempt. 583/887, C. & D. London Office.

**REPRESENTATIVE**, 27 years' experience Hampshire, Dorset, I.O.W., desires change. Good references and selling records. Energetic. C/o Barclays Bank, Southbourne Grove, W. Southbourne, Bournemouth.

**SALES Executive and Representative on war work**, resident Southern England, wishes to act as liaison by telephone and post between reputable company and customers with view to active agency post-war. Expert knowledge of trade to chemists, grocers, cafés, canteens, schools, etc. 583/878, C. & D. London Office.

**WELL-KNOWN Representative**, 44, with excellent connexion leading chemists, South-west England and South Wales, requires additional Agency. CDB/332, C. & D. London Office.

## APPOINTMENTS

### SURREY COUNTY COUNCIL

#### ASSISTANT PHARMACISTS

**ST. HELIER COUNTY HOSPITAL, CARSALTON.** Must be M.P.S. or Ph.C. Commencing salary according to experience on grade £275 x £10—£325 p.a. plus war bonus 19s. p.w. male, 15s. 6d. female. Permanent staff if female applicant.

**KINGSTON COUNTY HOSPITAL, WOLVERTON AVENUE, KINGSTON-ON-THAMES.** Must be M.P.S. or Ph.C. Salary grade £250 x £10—£300 p.a. plus war bonus as above. Permanent staff if female applicant.

**REDHILL COUNTY HOSPITAL, EARLSWOOD COMMON, REDHILL, and WARREN ROAD HOSPITAL, GUILDFORD.** Salary as for Kingston. Temporary war-time appointments. All applications to Medical Superintendent of appropriate hospital.

### SOUTH LONDON HOSPITAL FOR WOMEN

**CLAPHAM COMMON, S.W.4**  
**DISPENSER (Woman)**, part-time required, hours by arrangement. Apply with particulars of experience to the Secretary.

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**BUSINESS OPPORTUNITIES**

7/6 for 40 words or less, 2d. for every additional word.

**FINANCIAL** Interest desired in a Manufacturing Concern by Agent who can influence considerable amount of business, dealing solely with Co-operative Societies in Lancs, Yorks, Derbyshire and Cheshire (over 350 accounts). 582/837, C. & D. London Office.

**IN** order to concentrate production and save labour, Manufacturers of Furniture and Tile Polish wish to get into touch with party who could undertake the manufacture of above products for them. 583/883, C. & D. London Office.

**PACKING**, Labelling, Filling of Liquid, Creams, Tablets, etc., undertaken by a reputable firm with central premises. Facilities available also for the supply of packaging, bottles, etc., active selling organisation throughout the United Kingdom can be utilised for the distribution of any sound products, alternatively finance available for attractive propositions to mutual advantage. 583/904, C. & D. London Office.

**SACCHARINS**. Tablet manufacturer specialising in the tableting of saccharins is now in a position to undertake further contracts for the tableting of either saccharin or similar tablets. Both large and small orders undertaken. Prompt delivery. Write 583/906, C. & D. London Office.

**BUSINESSES WANTED**

7/6 for 40 words or less, 2d. for every additional word.

**HILLIER, PARKER, MAY & ROWDEN**, Surveyors and Valuers, 77 Grosvenor Street, W.1, have applications for several sound and progressive single-shop Businesses occupying premier trading positions in London and Provinces, or a Group Concern would be seriously considered. Owners contemplating sale or their solicitors are invited to write for further information to Hillier, Parker, May & Rowden, 77 Grosvenor Street, W.1.

**AGENCIES**

7/6 for 36 words or less, 2d. for every additional word.

**GOOD** additional line required by energetic, well-connected Agent calling chemists and stores, London and Southern Counties. Full coverage and excellent results assured. 582/857, C. & D. London Office.

**MISCELLANEOUS SALES**

12/6 for 60 words or less, 1/- each additional 10 words or less

**FOR** Sale. Holophane Shades (21) semi-indirect, to take 200-300 watt lamps, glass; complete with galleries and E.S. lampholder. £3 each. 105 Dale Road, Bournbrook, Birmingham.

**FOR** Sale. Single Punch Tableting Machine suitable for hand or power. Write 582/840, C. & D. London Office.

**NAME** plates for Chemists. Neatly engraved. Send wording for full-size sketch and list (enclose 3d. stamps). G. Maile & Son, Ltd., Engravers, 367 Euston Road, London, N.W.1.

**15** to 20 gross 1-oz. Amber Jars; 10 gross 2-drachm Perfume Bottles, 30s. gross; 5 gross 1-drachm Rouge Jars, 30s. gross; Samples 9d. Robert Davies, Chemist, Bromyard.

**WANTED**

7/6 for 36 words or less, 2d. for every additional word.

**ASPIRIN** Powder, Crystals, Tablets wanted by actual user. Highest market prices paid. 578/714, C. & D. London Office.

**ASPIRIN** Powder, Crystals, Grans., and 5-grain tablets, required in large or small quantities. Highest market prices paid. 442/304, C. & D. London Office.

**AUTOMATIC** Cream Filler wanted at once; big price paid. Shavex Co., 40 Bavaria Road, Holloway, N.19.

**BOTTLES** wanted urgently; sizes, 1-oz. and 3-oz Medical Flats. Also 1½-oz. Glass Jars. Bel & Sons, Ltd., Silverdale Works, Liverpool, 13.

**CHEMICAL** Manufacturers require regular supplies of 4-oz. and 8-oz. flat Medical Bottles. Cash terms. Write giving quotation and deliveries Box. ZQ 762, Deacons, 5 St. Mary Axe, E.C.3.

**LATEX** Goods required in large or small quantities for cash. Offers by letter in first instance to 581/816, C. & D. London Office.

**ON** TMENT Filling Machine urgently required. Either hand-operated or small automatic; also a Kibbler. Offers to Southon Laboratories, Ltd. 88 Upper Richmond Road, S.W.15. Putney 4347.

**POWDER** Depositing Machines in good condition wanted. Required to deliver three to seven grain powders. Bell & Sons, Ltd., Silverdale Works, Liverpool, 13.

**URGENTLY** wanted: Titanium Di-Oxide, Dextrine, Paraffin Wax. Large or small parcels. Offers to 583/884, C. & D. London Office.

**WANTED** for Spot Cash. National Remington and Gledhill Cash Registers, all sizes, age immaterial; any quantity entertained. Anagmated Business Machines, Ltd., 64 Mortimer Street, W.1. Phone: Museum 0941. Repairs, Sale Exchanges.

**WANTED** to purchase, Cameras, Enlargers, and all Photographic Apparatus, Exposure Meter Tripods, etc., Microscopes, Binoculars, Cine Camera and Projectors. Prompt cash and high prices offered. Wallace Heaton, Ltd., 127 New Bond Street, London W.1.

**WANTED** Glass Bottles with screw caps, 1-dra to 10-oz. Glass Jars, ½-oz. to 4-oz., all typ urgently required in large or small quantities. See samples together with best quotations. M. Clemens (Chemists Sundries), Ltd., 57-58 Wells Street, London, W.1.

**WANTED**. Powdered Leptandra Root, large small quantities for proprietary medicine. Also Empty gelatine Capsules, size 1. 583/906, C. & D. London Office.

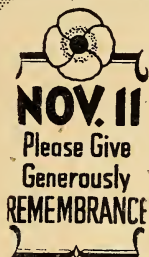
**BUSINESSES FOR DISPOSAL**

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**DRUGGIST** and Sundries Business for disposal. Definitely one of the best in London. Goodly required £2,500. Stock approx. £2,000. Taking figures. Good lease in main road. 583/892, C. & D. London Office.

**OWNER** wishes, on account of age and for health reasons, to dispose of two manufacturing chemical businesses in London. One with fairly large quota, the second with smaller quota. Apply full particulars to 583/894, C. & D. London Office.





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